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U. S. Department of Agriculture

Southland
PLANTER'S Manual

featuring
**TOP NOTCH
SEEDS**

**1929
SEASON**

RUSSELL HECKLE SEED CO.

**MEMPHIS
TENNESSEE**

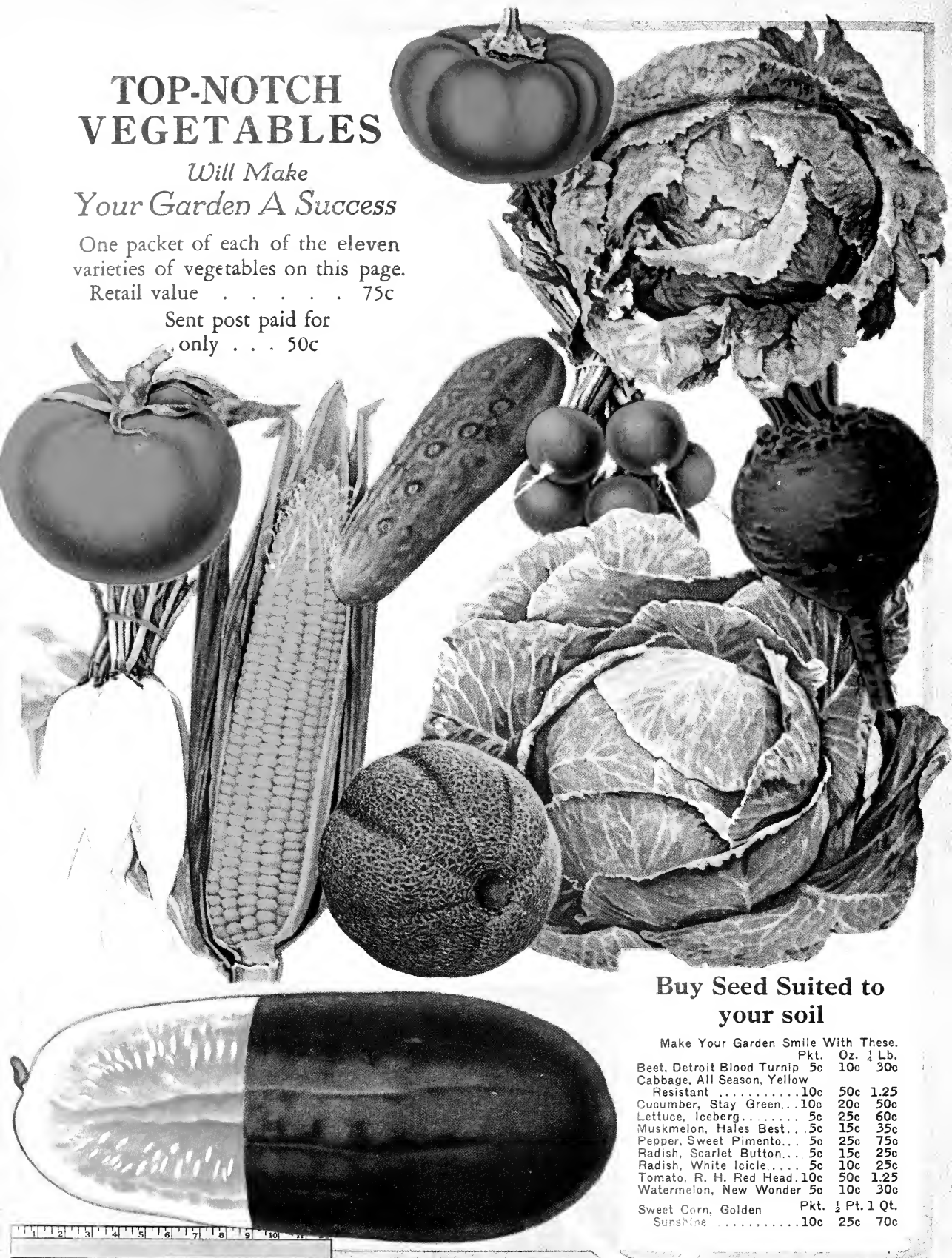
TOP-NOTCH VEGETABLES

*Will Make
Your Garden A Success*

One packet of each of the eleven
varieties of vegetables on this page.

Retail value 75c

Sent post paid for
only 50c



Buy Seed Suited to your soil

Make Your Garden Smile With These.			
	Pkt.	Oz. $\frac{1}{2}$ Lb.	
Beet, Detroit Blood Turnip	5c	10c	30c
Cabbage, All Season, Yellow	10c	50c	1.25
Resistant	10c	20c	50c
Cucumber, Stay Green	10c	25c	60c
Lettuce, Iceberg	5c	15c	35c
Muskmelon, Hales Best	5c	25c	75c
Pepper, Sweet Pimento	5c	15c	25c
Radish, Scarlet Button	5c	10c	25c
Radish, White Icicle	5c	50c	1.25
Tomato, R. H. Red Head	10c	10c	30c
Watermelon, New Wonder	5c		
Sweet Corn, Golden	Pkt.	$\frac{1}{2}$ Pt. 1 Qt.	
Sunshine	10c	25c	70c

PROTECT YOURSELF FROM FAILURE—PLANT OUR SEEDS



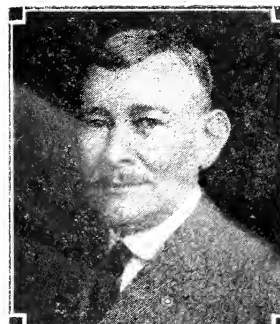
J.T. RUSSELL
President

The men and the plant behind our TOP NOTCH SEEDS

No business can hope to attain an outstanding success unless that business fills an actual need in the community or territory it serves. The firm of Russell-Heckle Seed Company was organized to supply a very decided need in the South for a large seed distributor of highest integrity and with ample facilities to properly serve the great Mississippi Valley.

We take a just pride in offering its many desirable features, the service and extensive agricultural knowledge of its entire personnel to its friends and customers throughout the Southland.

Your problems are ours; our success depends on yours. Write us, or better still, come to our store and let us analyze your agricultural problems. We want to be of service to you.



CHAS. E. HECKLE
Vice President



L.F. YOUNG
Vice President



JAS. A. BEDWELL
Treasurer



BRYAN E. NEARN
Secretary



J.H. McMINN
Dept. Manager



What and When to Spray

How to Spray Roses

First spraying should be done with Lime Sulphur, 1 to 6, during February. For aphids and lice, which most always destroy the spring blossoms, use Black Leaf 40, Volck, Melrosine or Ever Green. For chewing insects use Arsenate of Lead, Slug Shot, Niagara Dusts. For blight and mildew use Bordeaux Mixture and Sulphur. Pomo Dust, Funtrogen, and Semesan will cure Black Spot or die back on roses.

How to Spray Evergreens

When Evergreens like Arbor Vitaes and Junipers begin to turn brown, it's red spider that is causing the

trouble; use at once four ounces of Fish Oil Soap and ½ pint Lime Sulphur, 1 teaspoonful Blackleaf 40 to one gallon of water. Volck is also a dependable spray for red spider and aphids. Ever Green insecticide will get rid of aphids and lice. Spray two or three times a few days apart.

How to Spray Shade Trees

For Caterpillars early in the season, apply Tanglefoot around the tree. If tree becomes infested, use to one gallon of water two tablespoonfuls Arsenate of Lead and four tablespoonfuls of Lime. Spray tree twice thoroughly, a week apart.

CROP	INSECTS AND DISEASES	MATERIALS	DILUTIONS		TIME TO SPRAY
			One Gallon of Water	50 Gals. of Water	
PEACH	Scale, Insects and Leaf Curl	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	In the fall or in the spring before the buds swell. Very essential for the control of leaf curl.
	Curculio	Arsenate of Lead	2 teaspoonfuls	¾ to 1 pound	Combine with summer peach spray when Curculio is present.
	Scab and Brown Rot, and to prevent Rot developing after Fruit is picked	Peach Mix, a specially prepared mixture replacing self-boiled Lime Sulphur	12 to 20 teaspoonfuls	8 to 10 pounds	1. When most of shucks are off. 2. Two weeks after shucks dropped. 3. Four weeks before picking. If necessary. 4. Week to ten days before picking. Very important.
CHERRY	Borers	Paradichlorbenzene for Peaches only	1 to 2 ounces in a circle evenly distributed 2 inches away from trunk of tree		1. In the spring. 2. In the fall.
PEAR QUINCE	Scale Insects and Blister Mites	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	Dormant or delayed dormant. When the buds begin to swell.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime Sulphur or Lime Sulphur Solution Arsenate of Lead Sulphate of Nicotine	12 to 16 teaspoonfuls 1-5 pint 3 to 8 teaspoonfuls 1 teaspoonful	6 to 8 pounds 3 to 4 pounds 1½ to 1½ gallons 1 to 1½ pounds ½ pint	1. Cluster or pink stage. 2. Calyx or petal fall. 3. Two weeks after petal fall.
APPLE	Scale Insects, San Jose, Oyster Shell and Blister Mite, Red Mite	Lime Sulphur Solution Oil Emulsion or Dry Lime Sulphur	1 pint ¼ pint 18 to 20 teaspoonfuls	5 to 7 gallons 1½ gallons 12 to 15 pounds	While the trees are dormant, either in spring or fall. Delayed dormant spray applied in spring when buds are showing silvery.
	Codling Moth, Curculio, Bud-Moth, Scab, Frog-Eye and Blotch	Lime Sulphur Solution or Dry Lime Sulphur and Arsenate of Lead	1-5 of a pint 5 to 6 teaspoonfuls 3 to 8 teaspoonfuls	1½ to 1½ gallons 3 to 4 pounds 1 to 1½ pounds	1. When buds show pink. (Important scab spray.) 2. When petals fall. (Calyx spray.) 3. Ten days to two weeks later. (Blotch.) 4. Four weeks after petals fall. (Blotch.)
	Later Codling Moth, Broods, Blotch	Arsenate of Lead Bordeaux	3 to 8 teaspoonfuls 12 to 16 teaspoonfuls	1 to 1½ pounds 8 pounds	Eight to ten weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide where bitter rot is present.
	Aphids (Plant Lice)	Sulphate of Nicotine, 40%	1 teaspoonful	½ pint	Combine with other sprays and apply when Aphids appear. Usually in delayed dormant sprays.
GRAPE	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	When shoots are 8 to 10 inches long, just before blooming.
	Berry Moth	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	1. After the blossoms fall. 2. Ten days to two weeks later.
	Black Rot Mildew	Bordeaux Mixture	12 to 16 teaspoonfuls	6 to 8 pounds	3. Just as berries begin to touch in the clusters.
	Rose Chafer	Arsenate of Lead	3 to 8 teaspoonfuls	2 to 3 pounds	Apply when pests are serious, mixing gallon of molasses with poison.
	Leaf Hopper	Sulphate of Nicotine	1 teaspoonful	½ pint	Apply when first nymphs of the Hopper acquire wings.

Fifty thousand satisfied customers! Help us make it a hundred thousand. If you like us, tell your friends—we'll treat them right, too.

There are others whom you know that we should be selling—we will appreciate their names. Thank you.

Russell-Heckle's Peach Mix

A summer spray on Peaches and Plums, for use in place of self or home boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot. Use 1 lb. to 5 gallons of water, first application, when the husks fall and add two tablespoonfuls of Arsenate of Lead to each 5 gallons of spray mixture. This is to control brown rot, scab, leaf curl and curculio. Price, Peach Mix, 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50; by parcel post, 1 lb., 55c; 5 lbs., \$1.15; 10 lbs., \$1.75.

Russell-Heckle's Lubricating Oil Emulsion

For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers Bulletin, No. 933—use 1 gallon to 25 gallons of water. Price, qt., 40c; ½ gallon, 60c; 1 gallon can, 90c; 5 gallon can, \$3.00, f. o. b. Memphis.

Bermuda Onion Plants

During the last two years the demand for Bermuda Onion Plants has steadily increased. While the use of Onion Plants is a new thing, there are more of them planted now than sets.

Bermuda Onion Plants will produce delicious young Onions for table use during the late spring and early summer. They can be set out at the same time you would plant Onion sets or Cabbage plants, with every assurance of producing a good crop of Onions. Plant in rows about 15 inches apart, and 3 to 4 inches in the rows.

These plants are perfectly hardy, set them out in February, March or April, and they will make fine, large, mild, sweet flavored Onions.

The popularity of Onion plants is accounted for in several ways. One reason is that they produce so much larger Onions than the average Onion produced from sets. Onions raised from these plants mature from two to three weeks earlier than those raised from sets.

Crystal White Wax Bermuda—Unquestionably the most attractive onion. It is an absolutely pure white Bermuda Onion with a most beautiful waxy appearance that makes it sell on sight in all markets. No other onion has such clear white skin, such mildness of flavor. It is deliciously tender and can be eaten raw like an apple.

CRYSTAL WHITE WAX

Price, shipped from Memphis, postpaid: 100, 30c; 500, \$1.00; 1000, \$1.50. Not prepaid, 100, 20c; 500, 75c; 1000, \$1.25; per crate, 6000 plants, \$4.50.

Price, f. o. b. growing station, per crate, 6000 plants, \$3.80.

Yellow Bermuda—The most popular of all the Bermuda varieties. It is the standard variety with the large commercial Bermuda Onion growers. It is a light straw-colored onion. Our special stock ripens early, is of the best color and the heaviest yielder.

YELLOW BERMUDAS

Price, shipped from Memphis, postpaid: 100, 25c; 500, 75c; 1000, \$1.25. Not prepaid, 100, 15c; 500, 60c; 1000, \$1.00. Per crate, 6000 plants, \$4.20.

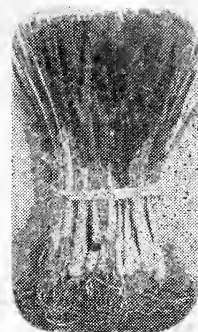
Price f. o. b. growing station, per crate, 6000 plants, \$3.50.

Large quantities for market gardeners, truckers, quoted at special low prices. Write us.

Orders for plants will be shipped in four or five days after they are received, weather permitting.

If plants do not arrive as soon as you expect them, you may know that conditions beyond our control are causing the delay.

No plants shipped C. O. D. Remittances must accompany all orders. We guarantee all plants to be satisfactory on arrival, otherwise we will refill the order.



Crystal White Wax Bermuda

Russell-Heckle Co.'s Frost Proof Cabbage Plants



Frost Proof Cabbage Plant

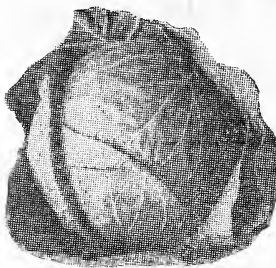
Our Cabbage Plants are grown from the best seed and in a section where they have low temperature in early spring, which makes them hardy and frost proof and they will usually live at any temperature exceeding 26 degrees above zero; however, frost proof does not mean freeze proof.

These plants can then be set out anywhere, and although the top of the plant does not grow until spring weather, the roots take hold immediately and develop even though they should be covered with snow. Later when the weather becomes favorable, they make an astonishing growth, due to their early start.

To the Market Gardener who grows cabbage for shipment or nearby markets, earliness or quick maturity of the crop is a prime necessity if largest profits from the market are to be secured.

To the Home Gardener who wants earliness in maturity together with avoiding all the trouble of cabbage seed sowing and necessary protection of early sown seed and plants, our practically frost and freeze-proof cabbage plants are both a convenience and a necessity.

Along the South Carolina coast are a number of well protected islands that never feel the cold spells of winter as we do here in the Central South. In that locality the cabbage seed is sown in the fall and makes a slow and vigorous, hardy growth all during the winter in the open ground. These plants can be planted anywhere in the Central South between January 15th and March 15th with safety, which is impossible with hot bed or greenhouse grown cabbage plants or even those grown outdoors in Mississippi and Texas.



Early Flat Dutch

Orders for plants will be shipped in about four or five days after they are received if weather conditions permit. If plants do not arrive as soon as you expect them you may know that conditions beyond our control are causing the delay.

VARIETIES—Jersey Wakefield, Charleston Large Wakefield, Early Flat Dutch. Prices: Parcel post paid, 100, 35c; 500, \$1.25; 1,000, \$2.25. Not prepaid, by express, from Memphis, 100, 25c; 500, \$1.00; 1,000, \$2.00. Prices F. O. B. growing station, express collect, 1,000, \$1.50; 5,000, \$6.25; 10,000, \$10.00.

HOME GROWN HOT BED CABBAGE PLANTS

Ready March 15th. Varieties same as Frost Proof. Do not set these out until March 15th to 20th. Prices postpaid: 100, 40c; 500, \$1.50; 1,000, \$2.50. Not prepaid, 100, 30c; 500, \$1.25; 1,000, \$2.00.

GLOVES FREE WITH ORDERS

These are serviceable and useful in many ways. Especially desirable when applying any spray material, or for doing work in the vegetable or flower gardens.

With every Cash Order for \$2.00 and over for any Seeds, Bulbs, Fruit Trees or Spray Materials, we will send you free when requested, one pair of these Hand Gloves. Don't fail to ask for a pair.

Garden Plants

Please Note—All our plants are grown especially for us and are in stock in season at our store.

BEEF PLANTS—Ready about March 1st. Prices, postpaid, 100, 45c; 500, \$1.75; 1,000, \$3.25. Not prepaid, 100, 35c; 500, \$1.50; 1,000, \$2.75.

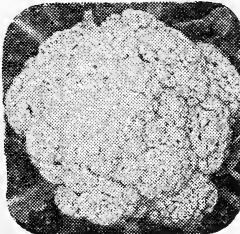
CAULIFLOWER PLANTS—Ready about March 1st. Prices, postpaid, doz., 20c; 50, 75c; 100, \$1.25. Not prepaid, doz., 15c; 50, 60c; 100, \$1.00; 1,000, \$7.50.

CELERY PLANTS—Ready about April 1st. Prices, postpaid, doz., 20c; 50, 40c; 100, 60c. Not prepaid, doz., 15c; 50, 30c; 100, 50c; 500, \$2.00.

EGG PLANTS—Ready about April 20th. Price, postpaid, doz., 25c; 50, 75c; 100, \$1.25. Not prepaid, doz., 20c; 50, 60c; 100, \$1.00; 500, \$4.00.

LETTUCE PLANTS—Ready about March 1st. Prices, postpaid, 50, 25c; 100, 45c; 500, \$1.85. Not prepaid, 50, 20c; 100, 35c; 500, \$1.50; 1,000, \$2.50.

CERTIFIED SWEET POTATO SLIPS—Nancy Hall and Porto Rica Yam—Our plants have been inspected by the State Plant Board and certified. The State of Mississippi refuses to allow any slips that have not been certified to come into that state.



Early Snowball Cauliflower

Prices: Certified Nancy Hall Slips and Porto Rico Slips, postpaid, 500, \$2.00; 1,000, \$3.75. Not prepaid, 1,000, \$3.25; 5,000, \$13.75.

KOHL RABI PLANTS—Ready about March 15th. Prices, postpaid, 50, 40c; 100, 60c. Not prepaid, 50, 30c; 100, 50c.

PEPPER PLANTS—Ready April 20th. Prices, postpaid, doz., 25c; 50, 75c; 100, \$1.25. Not prepaid, doz., 20c; 50, 60c; 100, \$1.00; 500, \$1.00.

TOMATO PLANTS—Ready about March 20th.

Hot Bed or Seedling Stock—Prices, postpaid, doz., 20c; 50, 60c; 100, 70c; 500, \$2.50. Not prepaid, doz., 15c; 50, 30c; 100, 50c; 500, \$2.00; 1,000, \$3.00.

Transplanted, Hot Bed Grown—Prices, postpaid, doz., 30c; 50, 75c; 100, \$1.25; 500, \$4.75. Not prepaid, doz., 25c; 50, 60c; 100, \$1.00; 500, \$1.00; 1,000, \$7.50.

MISCELLANEOUS PLANTS

Cannot be shipped. Sold in the store only. Globe Artichoke Plants—Each, 15c; doz., \$1.50.

Chive Plants—Doz., 25c; 100, \$1.25.

Mint Plants—Each, 15c; doz., \$1.50.

Sage Plants—Each, 25c; doz., \$2.50.

Sweet Basil Plants—Each, 10c; doz., \$1.00.

Himalaya Blackberry Plants—Each, 25c; 6 for \$1.00.



Black Beauty

Russell-Heckle's Farm Seeds

TOP NOTCH SEEDS MEAN BETTER CROPS

The most vital need of those who depend for their living on the products of the soil is pure seed, not mixed with noxious weed seed, and of high germination quality. Our Top Notch brand was originated to designate seed stocks filling just that need, and their dependability is responsible for their popularity.

"Top Notch" on a bag of our seed is not an excuse to get more money—rather is it a guarantee to the purchaser that the seed in that bag have been chosen from among hundreds of other lots because a careful investigation discloses their superiority. Should we buy the cheapest lots of seed offered us daily, we could sell to you for less money, but you would load your fields with weeds and pests that would cost you many times more than the price of our Top Notch brand seeds, and cost you untold hours of worry.

Top Notch brand on the seed you plant means bigger crops and more profit to you. To us it means satisfied customers who tell their friends about us, which in turn means more friends for us. It's an endless chain, and Top Notch Seeds form the links.

ALFALFA, or LUCERNE—The Giant Agricultural Clover—King of All Crops. Yields two or three tons of hay per acre each cutting, three to four crops per year. It has great feeding value, containing as much protein as wheat bran. It is a wonderful soil enricher; splendid, valuable feed for hogs.

Culture—The seed may be sown broadcast or in drills and covered one inch. If sown broadcast, use 20 to 25 pounds of seed per acre. Sowings made in the spring, March and April, or in the fall, September and October, are successful.

PREPARATION OF SOIL—Good loam or clay with natural or artificial drainage, with no hardpan underneath, will grow Alfalfa. Where the soil is acid, and that is the case in most instances, liming is necessary.

Inoculation of your seed with our Top Notch cultures before planting will give you a much stronger and quicker growth. The cost of inoculation per acre is so small that the increased yield will repay it many times.

FERTILIZER—Use 1,000 pounds of ground limestone, 200 pounds of Bone Meal and 200 pounds of pulverized Sheep Manure, broadcast, to each acre. Applying a coat of well-rotted stable manure will be beneficial. If you have tried Alfalfa, and it did not, it was on account of need of these fertilizers. On old Alfalfa meadows use 200 pounds of Agricultural Gypsum Land Plaster to the acre, broadcast. It stimulates it wonderfully.

R.-H. CO.'S DAKOTA NO. 12 ALFALFA

Practically every pound of this strain of Alfalfa was exhausted last year because of the enormous demand for the seed. This is the best evidence we can offer of its true value. South Dakota is the home of this Alfalfa, where the temperature drops way down below zero every winter. Seed that withstands such a severe test as that can readily be seen to have outstanding advantages. We have never sold Dakota No. 12 Alfalfa to any man who expressed other than extreme pleasure over results. An exceptionally productive Alfalfa. 1 lb., 50c; postpaid.

DISCO No. 28 ALFALFA

Another very hardy and productive Dakota Alfalfa; very similar in every way to our Dakota No. 12 described on this page. 1 lb., 55c; postpaid.

HAIRY PERUVIAN ALFALFA

This is an Arizona variety that is very popular there and in the lower half of our own southern states. It is not as hardy as Northwestern seed but makes a splendid growth of hairy and leafy vine. 1 lb., 45c; postpaid.

GRIMM ALFALFA

This is a different type, having the lateral or branching root system instead of the usual main tap root of most Alfalfas; very popular in Canada and extreme Northwest but less often grown in the South. 1 lb., 45c; postpaid.

ALFALFA SEED SOWERS

Distribute Alfalfa Seed evenly over the soil, bringing a uniform stand of Alfalfa with less bare spots than when sown by hand, and less room for weeds, etc.

For small areas, use the Cyclone or Cahoon, both very inexpensive. For larger areas, the Thompson Wheelbarrow Seed Sower is more economical.

See page 62 for description and prices of each.



L. F. YOUNG
Vice-President

When you are undecided about the field crop best suited to your particular needs, come around and talk it over with us, or write us and we shall be very glad to advise with you.

It has always been the idea of this firm that a farmer who sends us ten dollars for seeds is entitled to more than just the value of his money in the seed he buys. He should and does receive the benefit of our knowledge of the various crops suitable to his needs. If we think he is on the wrong track we suggest a crop more profitable or more suitable.

Our customers are not merely a "meal-ticket" for us—they are our friends and it is a privilege to serve them.

Yours for successful farming,

L. F. YOUNG,
Vice-President.

R.-H. CO.'S TOP NOTCH NORTHWESTERN ALFALFA

The northwestern states like Idaho and Utah, produce a very hardy type of Alfalfa, due naturally to the severely cold winters that Alfalfa must weather there each year. Our Top Notch Northwestern Seed represents our choice of the stocks produced there, based on purity and growth. Such seed costs more than seed produced farther south, but the man who buys our Top Notch Northwestern Alfalfa will get full value for every dollar spent. 1 lb., 45c; postpaid.

R.-H. CO.'S TOP NOTCH WESTERN ALFALFA

This seed is produced in the West farther south than Idaho and Utah, and our stock this spring is the latest crop, of highest germinating strength and tested 99.60 per cent pure, which is very, very fine. We have sold thousands of pounds of this seed throughout the South where it has given splendid results. It costs less because it is not so difficult to produce as seed in the more northern states. 1 lb., 40c; postpaid.

For Quantity Prices on Alfalfa, See
Green Ink Price List enclosed.



White Sweet Clover or Melilotus Scarified Seed

As a land-builder it has few equals. It resembles Alfalfa both as to appearance and habit of growth when young; however, it grows much larger than Alfalfa, often 4 to 6 feet high. It is valuable in the bringing up of old, waste and worn-out soils and thrives well even on extremely poor soils. If plowed under it adds humus and nitrogen to the soil, or if simply left to grow up and drop back for a few years the decaying stalks and roots will do wonders for the land. The deep roots break up, aerate and drain stiff subsoils and add humus. Its feeding value is high, about equal to Alfalfa. Valuable as a pasture and in spite of its bitter taste, stock learn to like it. Sow early in the spring or fall at the rate of 15 to 25 lbs. per acre. 1 lb., hulled and scarified seed, 30c; postpaid.



YELLOW BLOSSOM SWEET CLOVER (Melilotus Officialis—Biennial.)

The Yellow Blossom type is very similar to that of the White Blossom, but is not nearly so valuable as a nitrogen or humus builder and is more especially adapted as a hay or pasture. It is not a rank grower; more on the order of alfalfa. For those who wish to use Sweet Clover for pasture, hay and bee purposes, we would advise the use of the Yellow Blossom type. 1 lb., 45c, postpaid.

Mammoth Sapling, or Peavine Clover—Very much like the common Red Clover but larger, heavier and later. Recommended for thin soils. Sow 10 to 12 pounds to the acre. 1 lb., 65c, postpaid.

Crimson Clover—Sow in the fall, 15 lbs. to the acre. 1 lb., 40c, postpaid.

Burr Clover—Sow in July, August and September, 30 to 40 lbs., in the burrs, to the acre. 1 lb., 40c, postpaid.

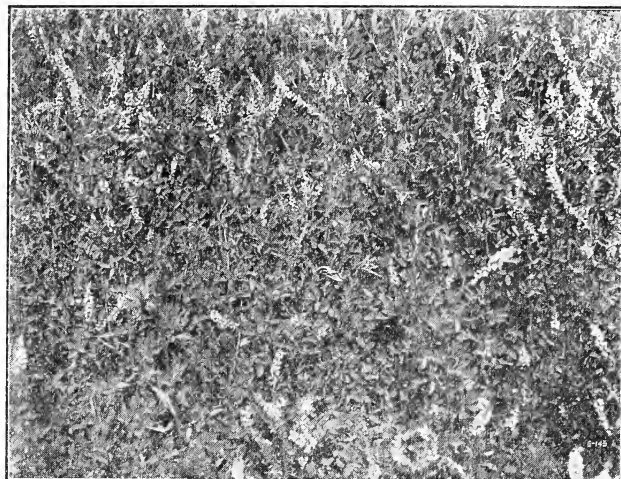
Black Medic—A species of Clover from Georgia that is becoming recognized as a legume especially adapted to plow under for green manure. Grows all during the winter and is just the thing to build up run-down soil. Crop failed.



All legumes—clovers, alfalfa, beans, peas, vetch, soybeans, cowpeas, peanuts, etc.—will yield far better crops if the seeds are inoculated with R.-H. Co.'s Inoculation, and will leave in the soil a heavy deposit of nitrogen for the benefit of succeeding crops.

Red Clover—This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-around variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay or plowed under to add fertility to the soil. Will grow in most any soil, makes excellent hay. Sow in March or April, broadcast 10 lbs. of seed to the acre. Sowings can also be made in February, either on the snow or oat stubble. 1 lb., 55c, postpaid.

QUANTITY PRICES on Clover Seed see Green Ink List in back of book.



White Sweet Clover or Melilotus

Alsike Clover—Alsike Clover grows thicker and is finer in growth than Red Clover, making better hay and probably more and better grazing. It is also hardier, resisting extremes of heat and drought and also severely cold weather to a remarkable extent. It succeeds on a variety of soils, light upland loamy lands as well as stiff bottom lands. 1 lb., 45c, postpaid.

White Dutch Clover—White Dutch Clover is used principally for lawns, a small proportion in permanent pasture often fills up many a bare spot and produces valuable grazing for all kinds of live stock. It is very hardy and will thrive on almost any soil. Sow either in the spring or fall. When sown by itself, sow 5 to 6 lbs. per acre. 1 lb., 55c, postpaid.

Lespedeza or Japan Clover—Is a promising crop throughout the Middle and Southern States. It grows rapidly practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasturage much relished by all stock. It should be planted at the rate of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain if you like.



If sown on sod, the land should first be scarified with a disk harrow in order to give the seed a good seed bed. Many customers broadcast Lespedeza in February and March on both wheat and fall-sown oats. We offer recleaned pan caught seed, 1 lb., 45c, postpaid.

Kobea Lespedeza—A new and improved type of Lespedeza that grows considerably larger than the ordinary Lespedeza. Kobea is somewhat similar to the Korean Japan Clover, differing from that variety in that it grows some taller, and also a superior drought resisting type. The plant spreads two and one-half feet when planted in rows and has a mass of foliage. 1 lb., 85c, postpaid.

Why You Should Use Land Plaster

(AGRICULTURAL GYPSUM)

Because it furnishes crops sulphur in an immediately available and neutral form—in exactly the form that sulphur is supplied to plants in nature.

It also increases greatly the nitrogen supply to crops. It does this: first, by enormously increasing the growth and nitrogen fixation of the leguminous crops.

HOW AND WHEN TO APPLY

For alfalfa, red clover, sweet clover, and white clover-blue grass lawns, apply gypsum as a top dressing in the early spring about the time growth begins. Alfalfa and white clover blue grass lawns are perennial and the applications should be repeated every two or three years. Red clover and sweet clover are biennial; the seedlings get set the first year and produce the crop the second. On these, the gypsum should be applied in the early spring of the year the crop is to be mown.

Benjamin Franklin was one of the first to introduce this material into America. He had a field of red clover that sloped down to one of the main roads out of Philadelphia. On this he sowed ground gypsum to form the following words: "Land Plaster Used Here, Benjamin Franklin." The words soon became conspicuous to passersby, due to the luxuriant growth and deep green color.

Broadcast 100 lbs. Land Plaster to the acre on your Clover, Alfalfa and Pastures and watch the wonderful improvement. 100-lb. bag, \$1.50.

Red Clover



R.-H. Co.'s Lawn Grass Seeds



An Evergreen Lawn

SPECIAL DIRECTIONS ABOUT SOWING—Nearly all grass seeds are very small and will not come up satisfactorily unless put in properly; and again, most planters will not use enough seed to the acre. The soil should be thoroughly prepared by deep breaking and thorough harrowing until a smooth bed is made, and the ground should be settled thoroughly before sowing. After sowing the seed, very little covering should be given with a brush or harrow that will cover it lightly. If the weather is likely to be dry, the ground should be pressed over the seed so as to bring the seed in close contact with the soil, to hold the moisture until the seed gets a good start.

Evergreen Lawn Grass—1 lb. sows 400 square feet; 60 to 75 lbs. sow an acre. Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year, will give a beautiful green growth at all seasons, and will make a rich, deep green, velvety lawn in as short a time as possible. 1 lb., 45c; postpaid.

Shady Spot Lawn Grass—A special mixture of grasses adapted to growing under trees and in shady places where it is difficult to get other grasses to grow. 1 lb., 60c; postpaid.

Kentucky Blue Grass—Sow in early spring or fall, using 2 to 3 bushels of seed to the acre broadcast. Well adapted for lawn. 1 lb. will sow 20x25 feet. 1 lb., 45c; postpaid.

Canadian Blue Grass—Grows on poorest and driest soils. Invaluable for use on steep places or exposed situations. Sow 28 pounds to the acre. 1 lb., 40c; postpaid.

Creeping Bent Grass—Distinctive on account of its compact, creeping, rooting stems, which hold in the soil in a very tenacious way. Of rapid growth and spreading habit, forming a strong, durable turf. Fine for lawns and putting greens because of its fine texture. If sown alone use 50 lbs. to the acre. 1 lb., \$1.50; postpaid.

English or Perennial Rye Grass—This variety is a little slower to grow off than the Italian Rye but has the advantage of lasting longer as a lawn, similar in other respects to the Italian Rye Grass. Sow seed on Bermuda sod in October and November. 1 lb., 25c; postpaid.

Italian Rye Grass—An annual grass. Recommended for fall planting; it is one of the quickest growing grasses and is one of the very best for a beautiful green lawn through late fall, winter and early spring until the hot weather comes. Scratch in Bermuda sod and have a beautiful winter lawn. 1 lb., 25c; postpaid.

needed for rapid, sturdy, and continued growth. Vigoro is odorless, clean, and easy to apply. It can be sown by hand like grass seed. 5-lb. pkg., 50c; by parcel post, 65c; 25-lb. bag, \$1.75; 50-lb. bag, \$3.00; 100-lb. bag, \$5.00.

Russell-Heckle's Pasture and Grass Mixtures

In offering the following we have the ideal mixtures for the purposes for which they are recommended. Only the highest grade of seed is used and it is thoroughly mixed in the proper proportions to give the best results. Should you desire a special mixture we shall be glad to fill your order.

Dependable Grass Mixture No. 1—For Hay or Pasture. Recommended for light, loamy or medium upland, for either hay crop or grazing purposes. Composed of Orchard Grass, Perennial Rye Grass, Tall Meadow Oat Grass, Red Clover, Alfalfa, etc. These Grasses mature and ripen together, making a splendid hay. Sow 30 to 35 pounds to the acre. 1 lb., 30c; postpaid.

Pasture Mixture No. 2—(Good Moist Soils.) Sow 25 pounds per acre. This is intended for the average soil. Use more seed where land is drier. If stock does not keep down to six or ten inches, use the mower to do so. Do not pasture too closely. This is well suited for "patching" your present pasture by discing or harrowing in. 1 lb., 30c; postpaid.

Pasture Mixture No. 3—(Dry, Hilly Uplands.) Sow fifteen to twenty pounds per acre. Recommended for rolling ground, or where stones or sand in soil demand drought-resistant varieties. Plow or disc in where possible, and on unplowed, stumpy or stony ground brush thoroughly. 1 lb., 30c; postpaid.

Pasture Mixture No. 4—(Shaded Pastures.) Sow 25 to 30 pounds per acre. This is especially planned to suit the woods, which is often waste except for its timber. Get the seed on and into the ground; do not leave on top of the leaves. The more open use the more seed. 1 lb., 30c; postpaid.

Timothy and Alsike Mixed—Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early spring and fall, 15 pounds of the mixed seed per acre. 1 lb., 25c; postpaid.

Chicken Pasture Mixture—A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 pounds to the acre. 1 lb., 20c; postpaid.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on Grass Seeds.

VIGORO

Specially prepared plant food

MAKES BETTER AND QUICKER LAWNS

Plants, like human beings, must receive the right nourishment. Vigoro is specially prepared to supply lawns, gardens, flowers, shrubbery and trees with all of the plant food elements

Russell-Heckle's Grass Seeds

PLEASE NOTE—We are listing Field Seeds with postpaid prices only in pound lots. The fluctuating markets on field seeds make a set catalog price very unsatisfactory, both to our customers and to ourselves.

We will mail you an up-to-the-minute field seed price list with this catalog at intervals through the season. Ask for our current price list at any time, and we will send it. Or mail us your orders and we will fill them at the market price.

Bermuda Grass—Bermuda is a southern grass. It delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. It is a small, creeping, hardy perennial, which thrives on nearly all our soils, even growing on many of our poorer, thin, sandy soils, though like other grasses it gives better results on richer soils.

The seed should be planted in April, May or June. Seed requires 20 to 30 days to germinate. The ground should be well prepared with a good firm seed bed, as the seed is small and is seeded broadcast at the rate of ten pounds per acre. Do not cover more than half an inch. The seedling should not be done too early, as the seed will not germinate if sown before the weather and ground become warm. 1 lb., 50c; postpaid.

Carpet Grass—Excellent for lawns or pasture purposes on the Gulf Coast, and all sandy lands, and grows equally as well on clay uplands. Green all the year in lower Gulf States. It stools heavily and is one parent stalk. Planted from November to March, also during spring. Ten pounds per acre. 1 lb., 50c; postpaid.

Dallas Grass—Sow eight to ten pounds to the acre. Has given splendid results in the South. It is an ideal grass for dairy farmers, as it produces enormous quantities of fresh, green, juicy feed during the hottest weather. Germinates slowly and requires from three to four weeks of warm, moist weather to sprout. Plant from November to March, 8 pounds per acre. 1 lb., 50c; postpaid.

RED TOP OR HERD'S GRASS—Fancy Solid Seed. This is well adapted to this section. Suitable to the meadow and pasture mixture. Adapts itself to any soil, but produces best results on moist, rich soils, where it grows 2 to 2½ feet high. One of the few grasses that will stand a slightly sour soil. For pasture or hay, 8 to 10 lbs. per acre. Often sown with timothy and clover. 1 lb., 50c; postpaid.



Red Top Grass

SUDAN GRASS

A Wonderful Quick Growing Summer Hay Grass.

Culture—Yields two or more cuttings a season. Makes a bigger and better crop than Millet. It stools out wonderfully after the first cutting. Stock eat it up clean, blades, stalk and heads. A wonderful summer catch crop for hay. A sure hay crop in a dry season. Ready to cut in about 45 days after the first cutting.

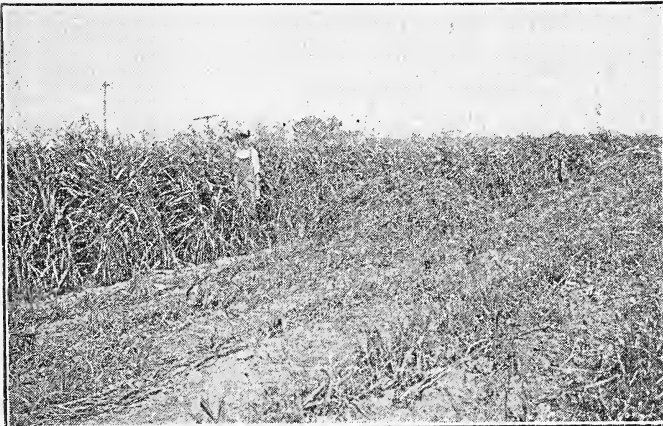
Sow it after the ground becomes thoroughly warm, say after corn planting time. It may be sown either with a grain drill or in rows two feet apart, and cultivated like corn. When sown in rows it grows 6 to 7 feet high; when sown broadcast the hay is finer and rather better than when grown in rows. Cut when in bloom, for at that stage the feeding value is highest, yet there are few grasses so little injured by standing beyond the proper stage for cutting.

Sow 5 to 6 pounds to the acre in 2-foot rows; 25 to 30 pounds broadcast. By mail, 1 lb., 20c; postpaid.

GREAT NORTHERN BEANS

A wonderful fine field or shell bean larger than the Navy Bean and more productive. Cooks soft and of excellent quality.

½ pint, 20c; pint, 30c; quart, 50c; postpaid.



Sudan Grass

MEADOW FESCUE—Also known as English Blue Grass. Produces a great amount of early and late feed of good quality and yields heavily. As a pasture grass it is particularly valuable, being one of the earliest in the spring and latest in fall, and never freezes out or winter-kills. Sow 18 to 22 pounds per acre. 1 lb., 40c; postpaid.

TALL MEADOW OAT GRASS—Grows rapidly on good soil; will furnish two or three good cuttings a season. Sow in early spring, 20 to 25 pounds to the acre. 1 lb., 45c; postpaid.

QUANTITY PRICES—See last four pages of Catalog for quantity prices on Grass Seeds.

ORCHARD GRASS—A most valuable grass for pasture and hay lands and on account of its earliness very valuable for permanent pastures, as it furnishes the first green bite in the spring and the last in the fall, is quick to recover from close cropping and even thrives better the more it is cropped. Gives rich pastures till late in the fall. It will stand the drought. It is well suited for shady places, such as orchards and groves. Richer feed than Timothy and outlives it. Sow 15 pounds per acre. 1 lb., 50c; postpaid.

TIMOTHY—Twelve to 15 pounds to the acre. As a crop for hay, Timothy is probably unsurpassed by any other grass. The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. 1 lb., 20c; postpaid.

PASTURE CROPS—First-class pasture land set to Bermuda, Lespedeza, Red Top, Orchard Grass, White Clover, Burr Clover and Vetch will give an unbelievable amount of grazing if the surface is kept cultivated and plenty of fertilizer and manure is applied. The Bermuda and Lespedeza will give good summer and fall grazing, the Clovers, Red Top and Orchard Grass will supply good fall, winter and early spring grazing. The fall pasturage can be added to greatly by sowing Rye, Wheat, Oats and Barley. It must not be expected that stock can be kept entirely by winter pasturage, for there is no combination which can be depended on absolutely during the severest winter.

LIVELY WEEDER

A simple and effective weeder; a golf like movement, gets the weeds quickly, thoroughly and with little effort. Has double cutting edge, built on a strong frame and light in weight. It gets them coming and going. You will like this little tool on account of these splendid specifications. \$1.50, f. o. b. Memphis.

Russell-Heckle's Soy or Soja Beans

General Culture Directions—Soy Beans may be planted either broadcast or in drills. Usually a better crop is had when planted in drills and cultivated, and few crops leave the land cleaner and in better condition for the following crop. They grow equally well on light and heavy soils, but on heavy soils they should not be planted more than 1 to 1½ inches deep except in dry seasons. On light sandy soils plant deeper, but not more than 3 inches deep. When sown broadcast sow 1 to 1½ bushels to the acre; in drills about a peck to the acre. Plant in April, May or June.



Laredo Soy Beans—One Gallon Per Acre Produced This Crop on Average Soil, at Covington, Tenn. Courtesy of E. G. McIntosh and E. J. Baskin of That City.



Otootan Soy Beans—Few Soy Beans can equal Otootan as a hay maker. Its late maturity is more than overcome by the abundant growth—5 feet and more in long growing seasons—its fine stems and abundant foliage, and the fine texture of its hay. It differs from most varieties in having many leafy branches instead of a coarse central stem, making it easy to cut. Planted in 3-foot rows, they will cover the land with a mass of foliage. Recommended for sections south of Virginia which have a long growing season. Qt., 50c; postpaid.

The Laredo Soy Beans—At last the ideal Soy Bean for the entire South seems to have been developed. Up until the past several years we have had to rely on the Mammoth Yellow, a good variety but having several drawbacks—late maturity, shattering out of the beans, and difficulty in obtaining a stand in unfavorable weather.

The Laredo overcomes each one of these objections—it matures much earlier, does not shatter out badly and will make a crop under conditions that would spell ruin to Cowpeas or other Soy Beans. Yields of four tons of hay have been obtained, quality almost equal to Alfalfa; as much as 35 bushels of beans have been harvested per acre.

As a fine quality hay maker it stands second to none. In a six-year test it averaged 1½ tons to the acre. It is particularly adapted to sections where wilt and nematode are prevalent, as it has proved resistant to these troubles. It is medium in maturity, is a good yielder of beans, and has an advantage over many other varieties in that they do not shatter in the fall.

One bushel will plant six to eight acres in rows 3 to 3½ feet apart, depending upon how thick you want them. We know of one farmer who got a perfect stand using one bushel to twelve acres. They should not be covered deeper than 1½ inches, a half inch is better. One or two cultivations to keep down the grass and weeds is advisable. The Delta Experiment Station reports splendid results from sowing Laredos March 25th to April 10th with a wheat drill on oats planted previous fall. This drill helped instead of hurting the oats and the beans were not large enough when the oats were harvested to interfere with the binder. Qt., 40c; postpaid.

Soy Bean Culture—Russell-Heckle's Inoculation on Soy Beans pays big dividends. Even if the right bacteria are present, inoculation with a fresh pure culture produces better results, insuring the most rapid and luxuriant growth, the forming of the most nodules and the storing of the largest nitrogen.

Price R.-H. Co.'s Inoculation for Soy Beans: 1 bushel size, 50c; 5 bushel size, \$2.00; postpaid.



Virginia Soy Beans—On account of its abundant growth and large yield of beans the Virginia makes most excellent hay and ensilage. As it is about 20 days earlier than Mammoth Yellow, it can be grown farther north and throughout the corn belt. The vines make a fine growth, are filled with pods, stand about 3 feet high, are easy to cut and easy to cure. The stems being fine and the leafage profuse adapts it particularly well for hay making. Qt., 40c; postpaid.

Mammoth Yellow Soy Beans—The latest, yet the most extensively grown for both beans and forage, both of which it yields in greater abundance. It grows more than three feet high, is erect in growth and can be cut with a mower. Particularly valuable for Virginia, and farther south for both beans and forage. Mammoth Yellow is one of the largest growers among Soy Beans, and the most widely grown variety and excels in yield of bean hay. Qt., 35c; postpaid.

Biloxi Soy Beans—An upright variety growing 4 to 5 feet high, covered with a dense mass of foliage that does not shed easily. A heavy yielder of beans; the oil and protein contents are high; a fine bean for hogging down, for planting with corn or sorghum and for oil. The pods are less liable to pop than most varieties, in fact, they hardly shatter at all. Late in maturing, requiring a long season to mature, but makes an unusually luxuriant growth. Qt., 40c; postpaid.

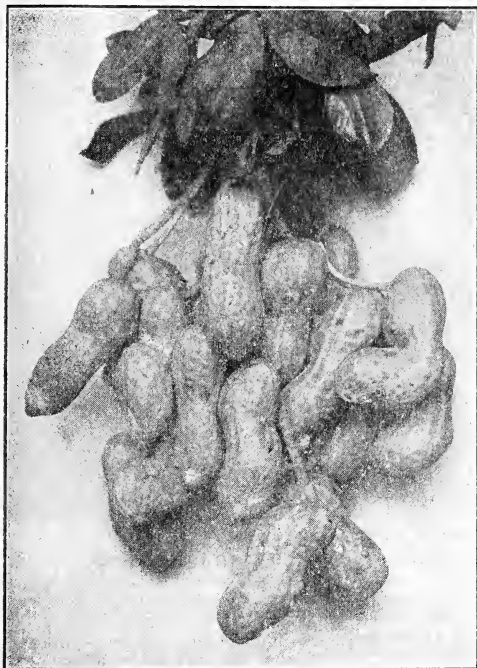
SOWING WITH OTHER CROPS—Soy beans can be grown with other crops, yielding a larger crop and a better balanced ration. Soy Beans and Cowpeas make a good combination, and the yield is nearly always greater than of either crop alone. Plant half-bushel Soy Beans to one bushel Cow Peas to the acre. Soy Beans and Corn is a well-recommended combination, the beans being planted in the hill, or in alternate hills or alternate rows, depending on the proportions wanted in the feed.

Sorghum and a late Soy Bean make a good combination, provided the Sorghum is not planted too thickly. Sudan Grass and Soy Beans give a better balanced feed than Sudan Grass alone, as its protein content is low, while that of Soy Beans is high.

WHITE NAVY BEANS—The famous little white soup bean that needs no further introduction. Very prolific and a sure cropper. Do not make the mistake of planting too early for if planted too early the beans after harvesting will probably be buggy. The last of June or in July plant in rows 3 feet apart, dropping two or three beans a foot apart in the rows. Cultivate early, but not while the dew is on the foliage, nor after they do not cultivate deeply after they are three or four inches high. 15 pounds will plant an acre. Qt., 45c; postpaid.

QUANTITY PRICES—See Green Ink Price List for quantity prices on Soy Beans, etc.





Spanish Peanuts

MAMMOTH RUSSIAN SUNFLOWER—A more profitable or important crop can hardly be raised. The seed is highly valued by farmers and poultry breeders, who have tried it. Single heads measure from 12 to 22 inches in diameter, and contain a lot of seed, which can be raised much cheaper than corn. Plant 6 lbs. to the acre in drills. 1 lb., 25c; 3 lbs., 60c; postpaid.

QUANTITY PRICES—See Green Ink List in back of catalog for quantity prices on Chufas and Sunflower.

AUSTRIAN WINTER PEAS

Introduced from Central Europe where they are used as green forage during winter and early spring.

Many reports have proven Austrian Winter Peas to be one of the most successful winter legumes grown in this section.

Plant in September or October. They will grow through the winter and afford fine pasture and can then be turned under early in the spring for the succeeding crop.

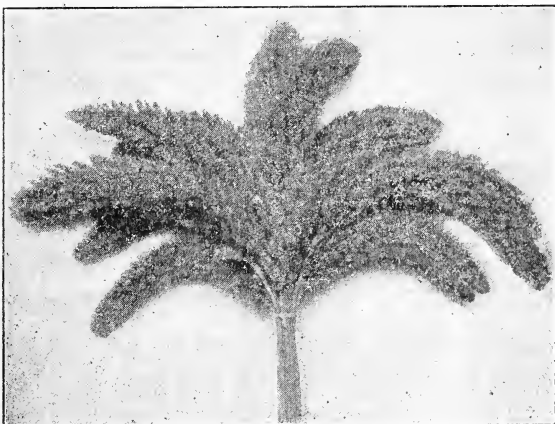
Can also be planted in February—makes fine feed. Sow broadcast 25 to 50 lbs. to the acre together with a bushel of Rye, Barley or Wheat, or sow alone at rate of 50 lbs. to the acre in drills.

Prices given in September next.

DARSO

Similar to Kaffir Corn, matures earlier; a great drouth resistor. Darso makes excellent silage and can be used as grain or forage crop. Plant is low growing, heavy foliage with a large stalk usually tinged with red. Darso has given splendid results in Texas. Plant in drills 10 lbs. to the acre in April or May. 1 lb., 35c; postpaid.

QUANTITY PRICES—See last four pages of catalog for quantity prices on Seed Peanuts, Buckwheat, Broom Corn, etc.



Tennessee Golden Millet

SEED PEANUTS

Culture—Prepare the ground well, laying it off in rows with a shovel plow; the rows should be $3\frac{1}{2}$ feet apart, and put two kernels to the hill, which are about one foot apart. Cultivate thoroughly and keep the land as level as possible. One and one-half bushels of unshelled nuts will seed an acre.

IMPROVED WHITE VIRGINIA PEANUTS—Jumbo Strain. The biggest, brightest peanuts always have preference when the market is depressed, so you cannot be too careful about the peanut you grow. There is no peanut of the running type that will yield better crops with as small a percentage of pops as our selected stock of Improved Virginia Peanuts. They are uniformly large, and when grown on light sandy land will produce nuts of that bright attractive appearance demanded by the best trade. 1 lb., 30c; postpaid.

Tennessee Long Red Peanuts—The finest variety grown. Especially adapted to the black, waxy land as well as the sandy soil. The nuts contain three large kernels in each and are enormously productive. 1 lb., 30c; postpaid.

Spanish Peanuts—Although not as large as other kinds, there is no peanut grown that so entirely fills the pod nor can compare with it in sweetness and flavor. There is also a marked freedom from pops, so frequently found in the large varieties when grown under unfavorable conditions. They can be grown closer than most varieties, are more easily cultivated and gathered, as the nuts, which are clustered around the base of the plant, cling firmly to the roots, and no peanut is more readily cured. 1 lb., 30c; postpaid.

Valencia Peanuts—Home Grown. The Valencia fills the demand for a peanut that is larger and containing more nuts than the common varieties. It is splendidly adapted for growing on the light sandy soils of the South Atlantic Seaboard, where it has yielded uniformly satisfactory crops. The pods are large, well filled, usually containing three or four nuts, and of such handsome appearance that they find ready sale at top prices. 1 lb., 35c; postpaid.

CHUFAS—Earth Almonds or Grass Nuts

With the increasing interest in hog-raising in the South, there should be a corresponding increasing interest in hog-feeding crops that are about equal to corn in feeding value, and that can be fed cheaper. Hogs not only fatten quickly on them, but the meat is sweeter than when corn-fed; some claim it is equal to that of peanut-fed hogs.

Any land suitable for corn, cotton or peanuts will make a profitable crop of chufas, but they do best on light sandy soils. Plant from April 1st until July 1st in $2\frac{1}{2}$ to 3-foot rows, dropping three to five chufas together, 15 to 18 inches apart in the row, and cover 2 inches deep. In the fall pull a few plants with the roots and give your hogs and poultry a taste, and they will go over the entire field in search of them and will attend to the harvesting. 1 to $1\frac{1}{2}$ peck plants an acre. 1 lb., 40c; postpaid.

MILLET

Nothing pays better for a stock raiser or a dairy farmer than a few acres of Millet, for it not only yields at least half again as much hay per acre as Timothy or Clover but is also of the greatest feeding value and milk producing quality. When spring is so unfavorable that other crops fail to grow, or when the season is so late and yet that corn will not mature any more, Millet is invaluable.

Millet is also used as a catch crop after early grains. When sown in hot weather it is especially good to subdue weeds.

Tennessee Golden Millet—Our Southern grown Millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant $1\frac{1}{2}$ to 2 bushels an acre broadcast. Plant from April to August. The sowing of Southern Millet with cow peas for a hay is increasing in favor each year. When this is done, use an early variety such as Whippoorwill or New Era, sowing about $\frac{1}{2}$ to a bushel of Millet with one bushel of peas to an acre. 1 lb., 25c; postpaid.

Hungarian Millet—An early forage plant, early and productive, growing 2 to 3 feet high, with an abundance of foliage, often yielding 2 to 3 tons per acre. Sow 1 bushel to the acre. 1 lb., 25c; postpaid.

Pearl, or Cattail Millet—Sow in May in 3-foot rows, 5 lbs. to the acre, three to four cuttings may be had as it stools enormously and makes a rapid growth. 1 lb., 35c; postpaid.

QUANTITY PRICES—See Green Ink List enclosed for quantity prices on Millet.

CANADIAN FIELD PEAS

Use for the same purpose that the cow-pea is used in the summer. Canada Field Peas are one of the best cover crops that can be grown; also excellent for hay. Resists the cold weather.

It is good feed either green or dry for cattle. Sow in January, February and March 60 to 90 pounds of seed to the acre with one bushel of oats. Qt., 35c; postpaid.

EVER GREEN

Especially effective on all insects that bother roses. Gets both the sucking and chewing insects.

Ever Green does not effect any part of the plant, including the flower. Nothing kills rollers, red spider or lice on roses like Ever Green. Ask for circular. $1\frac{1}{2}$ oz., bottle, 35c; by parcel post, 45c.

WHY INOCULATE?

Seeds of all legumes—clover, alfalfa, vetch, all peas, beans and related crops—will yield far better if inoculated with Nitragin, or Mulford culture, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Farmers and gardeners who have used it would not be without it.





ASHTON TYLER
Manager Seed Oat Dept.

One of the best grain crops for stock is oats. One of the cheapest, whether planted for a pasture or a grain crop, is oats. Seed oats usually sell from 75 cents to \$1.00 per bushel, which means \$1.50 to \$2.00 per acre. Burt Oats in the spring are the quickest making feed crop obtainable. Turf Oats with Hairy Vetch in the fall furnish one of the best winter cover and pasture crops.

Before sowing a pasture or planting a feed crop, think this over.

RUSSELL-HECKLE'S SEED OATS

One of the surest, best and cheapest crops to grow. No farmer should fail to sow a good acreage in oats, either for grain or hay crop. They are ready to harvest or cut early in May, just when you need feed the most.

Culture—Sow as early as possible, in February and through March, in good soil two to two and one-half bushels to the acre. If soil is poor, use 200 to 300 pounds 16% Phosphate to the acre. Cut them for hay when the oats are in the milk stage or about half matured.



A field of Hastings 100-Bushel Oats

HASTINGS 100-BUSHEL OATS

Another highly developed strain of the Red Rust-proof family. An upright growing oat, yielding usually very large quantity oats per acre, which explains its name. A fine variety, berry usually plump and heavy, but not quite so early in maturity as the Fulghum.

ABOUT PRICES

The prices on Seed Oats are changing constantly, so we are unable to give definite prices at the time this catalog is printed. Send us a card, state quantity you will need and we will immediately quote the lowest market price.

See Green Ink List enclosed for present prices on Seed Oats.

EARLY BURT OR NINETY-DAY OATS

Probably the earliest maturing of all Oats, hence Burts can be planted after it is too late to sow any other variety. Can be planted in March and mature in time to escape injury from heat. Early Plantings can be cut in time to put the same land in corn, cow peas, soy beans, peanuts, cane, millet or other summer crops. For quick feed in the spring and for grazing, the Early Burt is the best of all. It is not a heavy yielder of grain, but fine for cutting in the dough stage.

APPLER OATS

This is another development from an improvement over the old original Red Rust-Proof Oat. Its main claim to popularity is the extra yield that it gives, which is fully equal to the famous Fulghum Oat, though the Appler is not quite so early as the Fulghum. Under normal conditions the Appler produces a heavy plump berry in large full heads. A splendid oat.

CERESAN

An Effective Dust Treatment for Small Grains

No longer is it necessary to buy a number of compounds for treating seed grain before sowing! Ceresan can be used on wheat, oats, rye, barley and sorghum. Effective in controlling bunt or stinking smut of wheat, stripe disease of barley; loose and covered smuts of barley and oats and covered kernel smut of sorghum, as well as the seed borne smuts of rye. Does not injure grain drill. Use only as a dust, two ounces per bushel for seed wheat, rye and sorghum; 3 ounces for oats and barley. Easy to apply. Economical to use. 8 oz., 50c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50.

FULGHUM

A rust-proof variety developed from the original Red Rust-Proof Oat. It is one of the most satisfactory and popular oats known. Its productiveness and early maturity, probably more than any of its other good qualities, have contributed to its wide popularity. They stool out splendidly, have large full heads, fine plump grains, and strong straw that stands about 3 feet high.

Over a three year period in a comparative test made in the Southeast, Fulghum Oats averaged 12 bushels to the acre more than all other varieties. The grains are plump, usually of exceptional weight. Sometimes a bushel by measure weighing 37 pounds, and quite often 35 pounds, add to this the extreme earliness of Fulghum Oats and you have an ideal oat.

RED RUST-PROOF

For years the standard in the South. Thousands of acres are planted to Red Rust-Proof Oats each year. Oats in the South have long been subject to rust and that's why the Northern White Oats are not successful down south. The Red Rust-Proof Oat is a very vigorous grower, robust and productive, does well on low ground. It is a heavy producer of grain year after year.

NURSE CROPS

Spring sowings of Clovers should be made with a nurse crop of Oats. This protects the young clover, keeps down the weeds, etc. Be careful and do not sow the oats thick; a light seeding is all that is required, and this should be cut off about the first part of May.

TENNESSEE WINTER TURF OATS

Tennessee has long been famous for its Winter Turf Oats, which have probably the greatest propensity for stooling of all the present day oats. Further, they are the hardest oats we have and will come through the winter when other varieties have all been killed out. This does not mean of course that they can't be killed, for that can't be said of any growing crop, but the fact remains that Winter Turf Oats are about the safest oat we in the South can plant in the fall. Due to their strong turfing and stooling characteristics they excel all other oats for grazing purposes after fall planting.

WHAT OATS TO PLANT

The oat is a cool weather proposition, and requires early planting, and also you must take into consideration the character of the soil.

On good land, we recommend Fulghum, Appler and Red Rust-Proof Oats. On medium upland soils use Hastings 100-Bushel; on light or thin land use Early Burt Oats—they mature also very early. For grazing, sow in the fall the Winter Turf Oats.

COVER CROPS

Sow Oats in the fall, such as Red Rust-Proof, Turf Oats and Appler Oats. These not only make fine winter pasture and good hay next spring, but all act as excellent cover or winter protecting crops. Hill lands and gullies will be put to some use. With Oats sow either Vetch, Crimson Clover, Burr Clover for winter pasture and spring hay crops.



Sorghum or Cane, Kaffir, Milo, Etc.

Culture—Plant when the ground becomes thoroughly warm, say two weeks after corn planting, on a rich, well drained clay loam, in rows $3\frac{1}{2}$ to 4 feet apart, and cultivate as you would corn. After the flowering stage is passed, but not earlier, it may be pastured or cut for fodder. Sorghum may be grown with cow peas and soy beans either in rows or broadcast.

EARLY AMBER—Relished by all kinds of stock. An early Southern variety grown almost exclusively for forage crop either alone or broadcast with peas. Sow broadcast alone 50 pounds seed per acre. If with peas broadcast, use 25 pounds seed with 60 pounds peas per acre. 1 lb., 20c; postpaid.

TEXAS SEEDED RIBBON CANE—Whether you grow it for syrup, for ensilage or for feeding, you will like it. The syrup yield is good, frequently from 175 to 200 gallons to the acre. As it grows 10 to 12 feet tall, with an abundance of fodder, it makes a most economical ensilage, filling the silo at a minimum cost. Plant in $3\frac{1}{2}$ -foot rows when the ground has become thoroughly warm, thin out to stand 10 to 12 inches apart in the rows, and cultivate just as you do corn. 1 lb., 25c; postpaid.

JAPANESE HONEY—This variety of cane is without a doubt the best syrup producer of all the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific. 1 lb., 25c; postpaid.

EARLY ORANGE—From 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. 1 lb., 20c; postpaid.

RED TOP or SUMAC—Grown extensively in Middle Tennessee. Succeeds well in this section. Red Top Sorghum is the best variety for silage. Very sweet and one of the best for hay. 1 lb., 20c; postpaid.

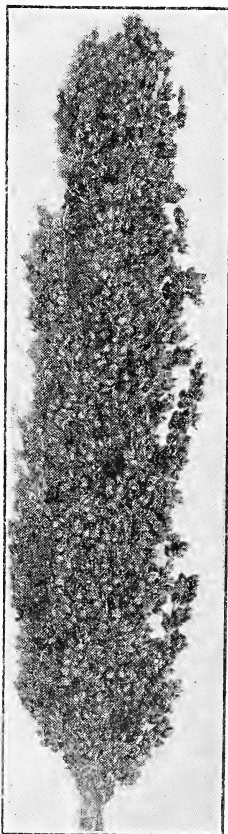
SUGAR DRIP—It makes a large, juicy and succulent growth. It will yield about 65 per cent of the weight of the cane in juice. 1 lb., 25c; postpaid.

BUCKWHEAT AND BROOM CORN

Japanese Buckwheat—Sow three pecks to one bushel to the acre. It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees. 1 lb., 25c; postpaid.

Improved Evergreen Broom Corn—An excellent variety of good length; has fine, straight straws. Sow in April, one gallon to the acre. 1 lb., 20c; postpaid.

Oklahoma Dwarf Broom Corn—Straight, stiff stems and leaf; markets readily. 1 lb., 25c; postpaid.



Cane or Sorghum

SAGRAIN

THE WONDER FORAGE CROP

Sagrain, rightly called the wonder feed crop, is now on every Southern farm. It does well on all types of soil; thrives under the same adverse conditions as sorghum and produces six to seven tons per acre, one to two tons of which is grain. The grain is similar to that of the Kaffirs, which means it has 9-10 the feeding value of corn. In other words, 10 bushels of Sagrain is equal to 9 bushels of corn as a stock feed. Sagrain can be fed to mules, cows, hogs and other animals and is relished by all.

Sagrain should be planted in May or June on well-prepared seed beds in 3 to $3\frac{1}{2}$ -foot rows, 8 to 10 seed per hill every 10 to 12 inches. A blank corn plate with $\frac{3}{8}$ -inch holes, properly spaced, will do the work. One bushel will plant 6 to 8 acres and the Sagrain should be thinned three to five stalks per hill. It matures in 70 to 75 days. Sow also broadcast for hay at the rate of one bushel, 50 pounds to the acre.

Sagrain has done well on heavy lands where corn does not do well and has also given satisfactory yields on land too thin for corn. 1 lb., 25c; postpaid.

QUANTITY PRICES—See Green Ink List for prices on large amounts of Sagrain seed.

YELLOW MILO MAIZE

A wonderful drought-resistant non-saccharine sorghum that makes a thick succulent growth of nutritious milk-producing forage. It stools from the ground and shoots from the joints. The plant makes fine feed and ensilage, especially when mixed with soy beans or cow peas, and the grain is fattening for cattle and poultry. For fodder and ensilage cut when in the dough stage; at this stage it has a feeding value practically equal to corn. Any good corn land will bring Milo Maize either for green feed, dry fodder or for the grain. It grows on all soils from sandy to heavy clay loam.

Plant in $3\frac{1}{2}$ -foot rows after the ground is thoroughly warm, and give it the same cultivation you would corn. 6 to 8 pounds will plant an acre. 1 lb., 25c; postpaid.

WHITE KAFFIR CORN

Kaffir Corn yields heavy crops of the very best forage; it adapts itself to a wide variety of soils; a long, dry spell may stop its growth, but it starts again with the first rain; it can be grown with cow peas, holding the pea vines off the ground and make a better feed; all kinds of stock like it. The grain as well as the plant makes fine feed for stock, hogs, poultry and pigeons. Feed it either whole or ground, dry or with water or skimmed milk. With cow peas, sow broadcast one peck of Kaffir Corn to a bushel of peas; sown alone three pecks to a bushel broadcast an acre; in drills 6 to 8 lbs. plants an acre in $3\frac{1}{2}$ foot rows. Plant from after the ground is thoroughly warm till early in June. 1 lb., 25c; postpaid.

EGYPTIAN WHEAT, or SHALLU

A valuable new grain. The heads are large and heavy. All stock love it. It makes hens lay better than any poultry food. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from 2 to 4 bushels. 1 lb., 30c; postpaid.

FETERITA—Three or four weeks earlier than Kaffir Corn. It is undoubtedly the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre. 1 lb., 20c; postpaid.

OTHER SORGHUMS, ETC.

	Postpaid Per Lb.
Dwarf Yellow Milo Maize.....	\$0.25
Red Kaffir Corn.....	.20
Shrock Kaffir Corn.....	.25

QUANTITY PRICES—See Green Ink Price Sheet for bulk prices on Sorghum and Kaffir Corn.

SPECIAL PRICES

Note the reduced prices on Automatic and Old Trusty Incubators and Brooders, and Simplex Hovers.

They are real bargains. You won't get another opportunity like this in a life time.

See pages 70 and 71 and order a machine today. Be sure to give second choice in case we have sold the outfit you order.

POULTRY MUSTARD

Here is a preparation that is safe and satisfactory. It is a tonic and stimulant for poultry that increases egg production. Also helps them over the moulting period and keeps them in good condition. This is not ordinary mustard but is prepared especially for poultry alone.

2-lb. carton \$1.00, by parcel post \$1.10.



R.-H. Co.'s Dwarf Essex Rape

Culture—Cow Peas may be sown any time from March to September, either broadcast or in drills. One to two bushels per acre for broadcasting; two to three pecks for drilling.

Whippoorwill—A favorite early bunch-growing variety. **New Era**—An early, upright-growing variety. Matures in sixty to seventy-five days.

Black Stock—Large vining variety. Best for thin land.

Clay—Very similar to the Unknown, but earlier.

Red Rippers—Vines grow long; make an abundance of hay.

Wonderful, or Unknown—On account of the great growth of the vines, this variety is especially valuable.

Mixed—Preferred by many farmers; they will grow thicker than separate varieties, producing better crop of vines and forage.

Large White Black Eye—The dried peas are readily saleable as table peas during the winter.

White, Cream, or Lady—Fine for table use. Peas are small in size. Very prolific.

White Crowder—Very prolific and an excellent variety for table use.

Brown Crowder—Clay colored, large size, of fine flavor.

Prices on Cow Peas given on application. Let us know how many you will need.

VETCHES, SEEDS, GRAINS, ETC.

	1 Lb., Postpaid	1 Lb., Not Postpaid
Augusta Spring Vetch —Sow broadcast 1 peck to the acre in March and April.....	\$0.25	\$0.20
Winter Hairy Vetch —Sow broadcast 1 peck to the acre in September and October.....	.25	.20
Austrian, Winter Peas —Sow broadcast 35 lbs. to the acre in September and October.....	.30	.25
Speltz or Emmer —Sow broadcast 2½ bushels to the acre in March and April.....	.25	.20
Fall or Winter Barley —Sow broadcast 1½ bushels to the acre in September and October.....	.20	.15
Rosen Seed Rye —Sow broadcast 1½ bushels to the acre in September or October.....	.20	.15
Abruzzi Seed Rye —Sow broadcast 1 bushel to the acre in September and October.....	.20	.15
Red May Seed Wheat —Sow broadcast 1½ bushels to the acre in October and November.....	.20	.15
Teosinte —Sow in drills 2 lbs. to the acre in April, May and June.....	Price on application	
Japanese Barn Yard Millet —Sow broadcast 15 lbs. to the acre.....	.30	.25

QUANTITY PRICES on all Field Seeds are given on Green Ink Price Sheet enclosed.

Inoculate all Clovers, Alfalfa, Soy Beans and Cow Peas with R.-H. Co.'s Culture. You will make a sure catch.

The Improved Soil Inoculator, Nobbe-Hiltner Process

NITRAGIN

Restores and Maintains Soil Fertility

Nitragin is sold in tins, not glass, packed in rich, soil-like granular medium, easy to mix with seed. Every package is dated as to life of contents for your protection.

PRICES FOR FIELD NITRAGIN

Alfalfa, Clovers, Soys, Peas, Beans, Vetch—All Legumes.

¼ bushel size, for 15 lbs. seed.....	\$0.40	1 bushel size, for 60 lbs. seed.....	\$1.00
¼ bushel size, for 30 lbs. seed.....	.60	5 bushel size, for 300 lbs. seed.....	4.75

Prices Reduced on Soy Beans, Cow Peas and Vetch.

¼ bushel size, for 30 lbs. seed.....	\$0.40	1 bushel size, for 60 lbs. seed.....	.70
5 bushel size, for 300 lbs. seed.....	\$2.50		

Prices on Nitragin for Soy Beans, Cow Peas and Vetch have been greatly reduced from former prices. Buy the economical 5 bushel size for 50c per bushel of seed, treated. When ordering, always state kind of seed you want to inoculate.

NITRAGIN FOR GARDEN USE—Every garden needs Nitragin; garden size is for Peas, Sweet Peas, and Beans, including Lima (3 in one inoculant). Price, 20c.

COW PEAS

One of the greatest soil improvers and economy crops of the farmers. Excellent for hay and as a summer catch crop. There is no leguminous crop that will build up the land or increase the production of various products quicker than a crop of Cow Peas turned under. Excellent for planting in the corn fields in the South, or in fact, any section.

Dwarf Essex Rape

A Quick and Cheaply Grown Pasturage for Sheep, Hogs, Cattle and Poultry.

Ready in 6 to 8 Weeks from Sowing.

Sow it as early as possible—late March or early April is not too late. 3 to 4 lbs. plant an acre in drills; 6 to 8 lbs. broadcast.

Culture—Sow as early as the land can be made ready, the earlier the better, but sowings as late as April have been very successful. Sow either broadcast or in drills 18 inches to 2 feet apart; when grown in drills and cultivated occasionally, the leaves will cover the intervening space; this method is a fine weed killer. Allow 8 to 10 weeks for it to attain its maximum growth.

Sow it again next fall to have grazing during the fall, winter and spring. 1 lb., 20c; postpaid.

THOUSAND HEAD KALE

Makes a wonderful green feed which is much relished by sheep, lambs, hogs, cows and poultry. For hogs Thousand Head Curled Kale seems to be especially suited, fattening them rapidly.

Sow four to five pounds to the acre broadcast in March, April and May, also September and October. 1 lb., 60c; postpaid.

VELVET BEANS

Makes an enormous growth for forage, also worth millions to the South as a soil builder, besides its value as a fall and winter feeding crop.

We have made experiments with all varieties, and have sifted them all down to the following species, which we should plant in the South:

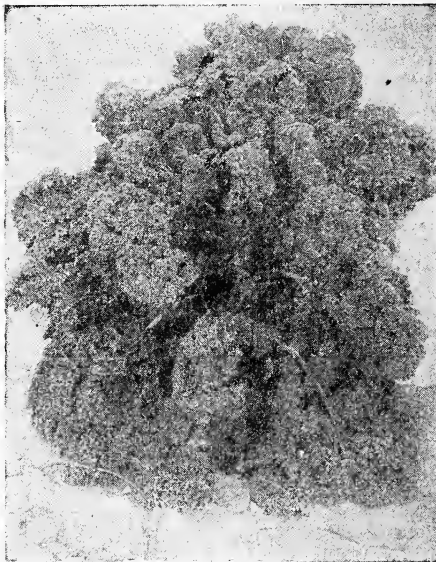
Early Speckled, or 100-Day Velvet—The most valuable of all varieties and the general favorite for all sections. This variety is the quickest grower and the most prolific. Matures in from 90 to 100 days. Sow in drills in May, one peck to the acre. Qt., 35c; postpaid.

MUNG BEANS

Mung Beans bid fair to outrival anything yet discovered as hay, forage and soil-improving crop. Mung Beans mature about 15 days earlier than soy beans and cow peas and invariably have produced larger tonnage of hay and forage, as well as larger production of beans. Grows 4 to 6 feet tall and is one of the finest soil improvers yet discovered. Requires about 8 pounds of seed to plant one acre. Plant in May in rows about 5¼ feet apart and 2 to 4 inches apart in the rows.

1 lb., 50c; postpaid.

Quantity Prices on all field seeds are given on Green Ink Price List enclosed.



Thousand Head Kale

NITRAGIN SEED INOCULATION

It is most necessary with nearly all legumes that you inoculate the seed before planting so as to get a start of the bacteria nodules which supply nitrogen.

Of all the different brands of inoculation we have tried, Nitragin, which is a dry medium, being convenient and simple to use, is one of the most dependable inoculants. It is guaranteed to do the work or your money refunded.

Nitragin keeps in good condition for a long time, thus the contents are always fresh and bacteria active and vigorous.

Inoculate

TOP NOTCH CULTURES

are cultures of living nitrogen-gathering soil bacteria which when inoculated on the seed of the legume crops, such as alfalfa, clovers, vetches, soy beans, peas, etc., cause nodules to develop on their roots in which nitrogen is gathered from the air that percolates through the soil and is turned in plant food.

\$100 Worth of Fertilizer For Only \$1.00

Here you have the greatest fertilizer bargain ever offered. See what it will do.

- 1 A bushel-size of Top Notch culture will inoculate 4 acres of Alfalfa or Clover.
- 2 The cost of these 4 acres will be only \$1.00, the price of the Top Notch culture.
- 3 Top Notch root nodules on the crop will capture from the free nitrogen in the air and store up and average of 100 lbs. of nitrogen per acre. When the crop is plowed under this nitrogen is added to the soil. On 4 acres 400 pounds will be added.
- 4 Four hundred pounds of nitrogen is equal to 2800 pounds of nitrate of soda worth \$100.00 at average prices.
- 5 Thus one dollar's worth of Top Notch, at the same time it is producing a better crop, will add \$100.00 worth of nitrogen to your soil.

The right type of bacteria may or may not be present in your soil. If they were present at one time they may have lost their vigor or disappeared. Inoculation of every seeding with a fresh, pure culture will always pay.

REMEMBER THIS—that different legumes require different bacteria and make different kinds of nodules.

Each Top Notch culture contains a pure, vigorous strain of the right bacteria for a specific legume crop or group of crops. Obtainable, fresh and live at all times, in the varieties shown below:

Prices: Specify by Crop

For small seeds, Alfalfa, Red, White, Sweet, Crimson and Alsike Clovers.
 ½ bu. size.....\$0.60
 1 bu. size.....1.00
 Five 1-bu. size.....4.00
 Postage paid.
 Garden Size. Peas, Sweet Peas, Garden Beans. Per bottle, 25c; postage paid.

Prices reduced on Soy Beans, Cow Peas and Vetch.

1 bu. size.....\$0.50
 5 bu. size.....2.00
 Postage paid.

ALFALFA

Top Notch Cultures Insure Bigger Crops

by obtaining nitrogen from the air at almost cost. Nitrogen is essential to early growth and vigorous growth and by feeding it to plan's their protein content (and hence their feeding value) is greatly increased. Leguminous crops not inoculated draw heavily on the plant food in the soil but when Top Notch Cultures are used and the crops turned under an average of 100 pounds of nitrogen is added to each acre of soil.

TOP NOTCH CULTURES Easiest to Use

No experience is needed. All you need is a bushel-size Top Notch Culture, and a pint of clean, cool water for each bushel of seed. Open the bottle, fill it with water, shake it and pour back into the rest of the pint. It is not necessary to break up or dissolve the jelly, as the bacteria remain on the surface and are rinsed out with the water. Next pull back top of seed bag and pour the water containing the bacteria over the seed. Then work it in with your hands to dampen all the seeds. The whole job won't take more than 10 minutes.



Top Notch is the result of 15 years experience and test in America's finest Commercial Soil Bacteriological Laboratory.



Inoculate Your
 Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches
 and
 Other Legume Crops
 WITH
Mulford Cultures
 FOR LEGUMES

Small Cost Large Returns Easy to Use No Labor Expense



INCREASE YOUR CROPS IMPROVE YOUR SOIL

Legumes Offer the Best Known Means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

MULFORD CULTURES are supplied for the varieties of legumes listed at the following prices:

Alfalfa
 Crimson Clover
 White Clover
 Red Clover
 Alsike Clover
 Lespedeza

Cow Peas
 Soy Beans
 Vetch
 Velvet Beans
 Garden Peas
 Garden Beans

Always specify on your order what crop you want to inoculate.

FOR SMALL SEEDS

5 bushel size.....\$4.00
 2 ½ bushel size.....2.25
 1 bushel size.....1.00
 ½ bushel size......60

FOR LARGE SEEDS

10 bushel size.....\$4.00
 5 bushel size.....2.25
 2 bushel size.....1.00
 1 bushel size......60

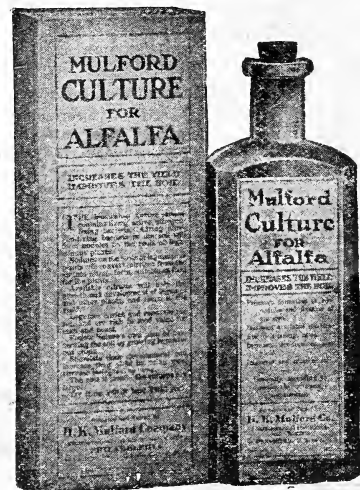
Garden size (composite culture for Garden Beans, Garden Peas, Lima Beans and Sweet Peas)..... .25



This drawing, made from an actual photograph, shows inoculated Vetch compared with an uninoculated specimen.

Small Cost
 Large Returns
 Easy to Use
 No Labor Expense

Descriptive Folder
 Free
 Upon Request



Russell-Heckle's Field Seed Corn

Seed Corn produces best results when planted under climatic and soil conditions similar to those under which it was originally raised. Therefore, southern grown corns far outyield in the South those corns brought from the North and West. We specialize in southern raised Seed Corns for that reason, though we can furnish Northern Stock where extra earliness is desired above yield.

NOTE—The more attention is given to selection of ears and grading of seed corn, the greater the cost; therefore, where we quote two different grades and prices on one variety of corn, the increased yield you will obtain from the higher priced grade will always more than pay for the seed.

SOUTHERN GROWN VARIETIES

Hasting's Prolific—The introducer claims that it will make two ears to the stalk on average land, and if planted 24 to 30 inches apart in the row on good strong land, four to six ears to the stalk can be had. The ears are well filled at both ends; the cob is small; the shuck is heavy and covers the ear tightly, protecting it from birds and insects, and preventing loss in wet seasons. Matures in 120 to 130 days.

Little Willis Prolific White Corn—An exceptionally well bred corn. One that we believe will give anyone who plants it materially increased corn yield. The ears run 7 inches and over in length, 6 inches in circumference, carry 16 rows of corn $\frac{3}{8}$ inch deep on a white cob not over $1\frac{1}{4}$ inches in diameter. It has consistently yielded three to five ears to the stalk and is a good idea of the increased corn yield possible planting this well-bred variety. It is pure white; a prolific corn that you will be well pleased with.

Mosby's Prolific (120 days)—The most prolific corn in existence; the stalks are tall, bearing 2 to 5 fine ears. The grains are long, set close to a small white cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a southern corn, and is recommended for general crop. It is pearly white, small cob, deep full grain, neither too hard nor too soft, and stands crowding in the drill as close again as any other kind. Ears slightly under medium size.

Cocke's Prolific—Medium early, medium-sized ears, pearl white grain in straight rows. The weevil bothers this variety very little on account of the hardness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 10 inches. Matures in 140 days. Unexcelled for meal and hominy.

INCREASE YOUR CORN YIELD 8 TO 30%

Three years' practical use have shown actual increases in corn yield ranging from 8 to 30% by treating seed corn with Bayer Dipdust. It permits earlier planting, tends to decrease seed decay, increases germination, prevents seedling blight, root and stalk rots, and increases the yield. Use it also on potatoes, vegetable and flower seeds. One pound treats six bushels of corn—less than 5c an acre. 4-oz. pkg., 50c; 1 lb., \$1.75; 5 lbs., \$3.00. Cannot be mailed.

Woodruff Mosby—This is a selection from the original Mosby Prolific, and a splendid general purpose corn. Woodruff Mosby has a tiny white cob, about the smallest we ever saw, and an extra long deep white grain, which is the ideal type grain. Woodruff Mosby is about 115 days in maturing, makes two to three ears to the stalk, which shell out very heavily, and is a big producer. Our stock is carefully selected, nubbed and tipped.

ARCADIAN—Sulphate of Ammonia

A highly concentrated nitrogenous top dressing. Ammonia 25 $\frac{1}{4}$ per cent guaranteed.

Nitrogen in a form immediately usable by the plant.

SEED CORN PRICES

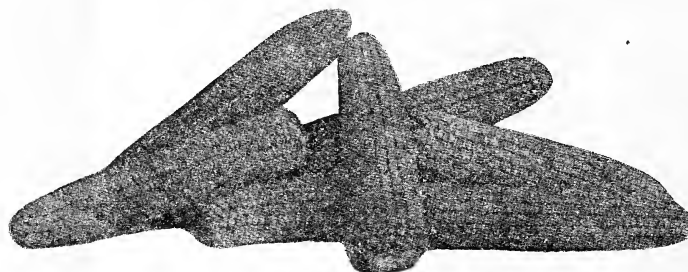
	Postpaid		Not Postpaid	
	Qt.	Gal.	Qt.	Gal.
Cocke's Prolific	\$0.40	\$1.00	\$0.30	\$0.80
Hastings' Prolific .....	.40	1.00	.30	.80
Little Willis Prolific .....	.40	1.00	.50	.80
Mosby's Prolific .....	.35	.95	.25	.75
North Carolina Prolific .....	.35	.95	.25	.75
Woodruff Mosby .....	.45	1.20	.35	1.00

QUANTITY PRICES—For quantity prices on Seed Corn see Green Ink Price List enclosed.

HOW TO APPLY ON CORN

Side-dress with 100 pounds per acre of Arcadian Sulphate of Ammonia when the corn is 2 or 3 feet high; or, in cooler sections of the country, when it is 6 to 12 inches high.

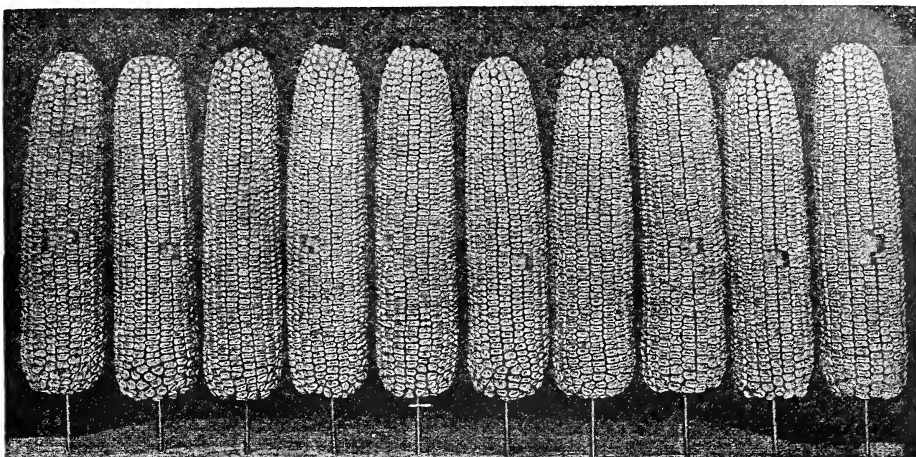
Prices on page 91.



North Carolina Prolific—A beautiful white prolific corn. Matures in about 115 days. Well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn.

Medium and Large Ear Corns

R.-H. Co.'s Paymaster (100 Days)—We indorse this corn as one of the most satisfactory and heavy yielding varieties for the southern farm. Its origin is southern, its reputation is southern and its nature is southern. It is similar in type to the well known Tennessee White Red Cob, but the ears are not as large and it produces two to the stalk. The cob is smaller, has well-filled butts and tips and will shell more corn than the Tennessee. The grain is deep white, the cob is bright red, the type is standard and popular and the yield is amazing.



R.-H. Co.'s Paymaster

Tennessee White or Red Cob (120 Days)—An extra large field corn; grains long, broad and evenly lined on large red cob. The ears of this sort will run from 9 to 12 inches long and have from 18 to 20 rows. It is a rather late maturing sort, but for bottom land and main crop this corn cannot be excelled. This is not only one of the largest grain, greatest yielding and one of the highest feeding and best milling corns grown 'n the South, but owing to the fact that the stalks grow from 8 to 12 feet high, are broad, strong and short jointed it makes one of our best ensilage corns.

Hickory King—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. Matures in 110 days. It yields good crops on light soils.

St. Charles White, Red Cob—The ears are large, both in length and circumference. The grains are deep and firmly set in a medium large red cob. Matures in about 100 days.

Russell-Heckle's Gourd Seed Red Cob—A large eared white corn on a red cob. The grains are extra long and narrow like gourd seeds, which means this variety shells out very heavily—you get more weight in corn grains from an ear of it than from practically all other corns. It is a distinct improvement over ordinary Red Corns, one and two big ears to stalk; stalks are strong and of good height, standing wet weather well. Maturity about 115 days.

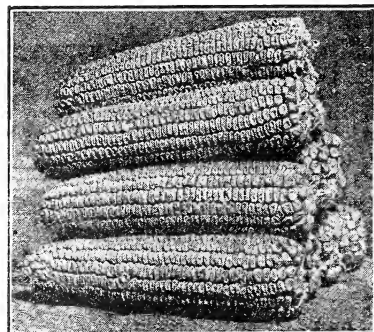
CORN IS A SAFE CROP to plant and is at present more profitable than it has ever been. The cost of production has not increased so much as for cotton. The boll weevil makes it necessary to reduce the cotton acreage in many places every year, corn with velvet beans planted close to the corn, and peas or soja beans planted in the middles when the corn is laid by, is one of the most prolific crops that can take the place of the cotton and on many farms this combination has proven more profitable than cotton.

ACME TWO-HAND CORN, PEA AND BEAN PLANTER

The lightest, most accurate, strongest, cheapest and most up-to-date planter on the market. Never cracks a kernel nor skips a hill. It is always in position, never makes a wrong move. Many gardeners are using this for their replanting, and melon growers are using it to plant watermelons and cantaloupes. Weight 5 lbs.; \$1.50, f. o. b. Memphis.

QUANTITY PRICES—See page 91 of this catalog for Quantity Prices on Seed Corn.

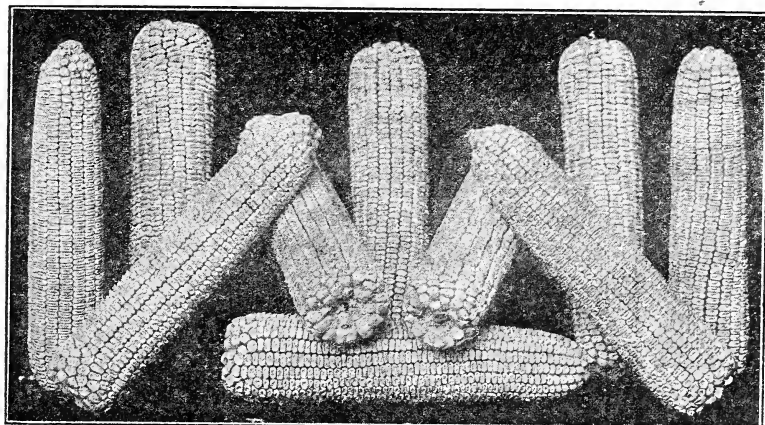
Russell-Heckle's Early White Dent—Selected with the idea of furnishing our customers a dependable and extra productive, early maturing variety. Grains white, of medium size, cob white, ear 10 to 12 inches long, stalk of medium height. A fine White Corn for general crop, earlier than most standard varieties.



R.-H. Co.'s Early White Dent

SEED CORN PRICES	Postpaid		Not Postpaid	
	Qt.	Gal.	Qt.	Gal.
Boone County White.....	\$0.35	\$0.90	\$0.25	\$0.70
Hickory King .....	.35	.90	.25	.70
Silver Mine .....	.30	.80	.20	.60
R.-H. Co.'s Gourd Seed Red Cob.....	.40	1.00	.30	.80
R.-H. Co.'s Paymaster .....	.35	.90	.25	.70
St. Charles White Red Cob.....	.30	.80	.20	.60
Tennessee White Red Cob.....	.35	.90	.25	.70
Russell-Heckle's Early White Dent...	.35	.90	.25	.70

QUANTITY PRICES—For quantity prices on Seed Corn see Green Ink Price List enclosed.

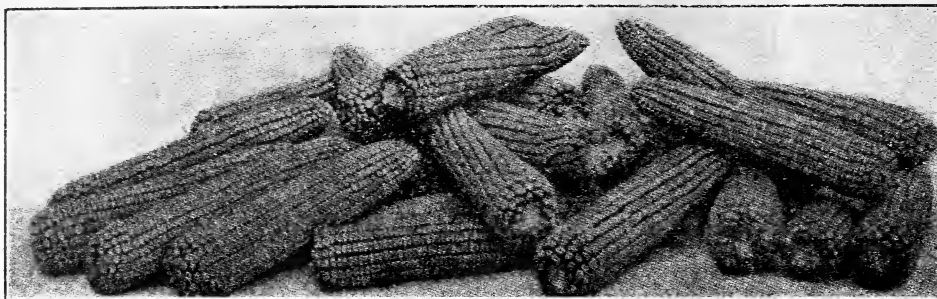


Boone County White

Boone County White—Boone County is a very large white corn, something like Silver Mine, but larger and later in maturing. It is well suited to all our Southern States as it ripens earlier than the native corns and at the same time will not be forced ahead too rapidly, owing to its slow growing tendencies. Ears well filled out at both butt and tip ends, of large size and well proportioned, 9 to 11 inches in length, averaging twenty rows. The grain is very deep and a little rough, cobs white and of medium size. Boone County is a show corn, and has won many premiums at corn shows all over the country. Matures in about 110 days.

Silver Mine—Ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small white cob. Matures in 100 days.

HARPETH VALLEY SEED CORN



Harpeth Valley Large Golden Dent Corn

HARPETH VALLEY SEED CORNS—Harpeth Valley Seed Corns have long been famous for their character and excellence from year to year. Each bag is Field Selected Corn, carefully graded, rubbed and tipped before shelling, then machine graded and cleaned. A type ear is placed in top of each 2½ bushel bag.

Harpeth Valley Seed Corns cost a little more than ordinary commercial seed corns which have not been so selected and graded, but they are worth the difference. Like produces like, and you can expect much bigger and better crops of corn from our Harpeth Valley stocks.

We can supply the following varieties of select Harpeth Valley Seed Corns:

Harpeth Valley Champion White Dent—Very early; large ears.

Harpeth Valley Early Yellow Dent—Matures quick; good size.

Harpeth Valley Large Golden Yellow Dent—Late, extra large long ears.

Harpeth Valley Hastings Prolific—A beautiful prolific white corn.

Harpeth Valley Paymaster—Large ears, deep, long grains on a red cob.

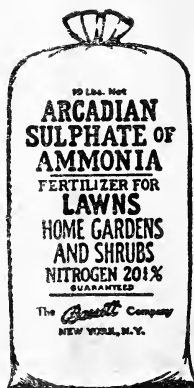
Harpeth Valley Mosby Prolific—Extra select strain.

Webb Watson—Another famous Tennessee grown corn, making 85% two ears to the stalk, a white grain, long and deep, the ideal type, medium size cob, ear about 10 to 12 inches long, firm, stands wet weather well, a very productive corn and exceedingly popular wherever grown; maturity 100 days.

THE CORN EAR WORM can be entirely controlled if one will carefully dust the silk of the ear with Arsenate of Lead. Powdered, as soon as it appears. The worm always works on the silk prior to entering the ear and if the new silk, as it appears, is dusted, the worm will be controlled. See page 55 for prices on Arsenate of Lead.

ARCADIAN SULPHATE OF AMMONIA

A specially prepared Lawn and Home Garden Fertilizer. All growing plants need nitrogen. Arcadian Sulphate of Ammonia supplies the necessary nitrogen in a soluble quick-acting form. It contains 20% per cent nitrogen. Unequaled as the spring application for stimulating early, vigorous plant growth. On the lawn it will increase the growth of the grass so as to crowd out and tend to eliminate ordinary weeds and grass. Its use will bring about a soil condition favorable to the growth of the grass and will produce a reaction in the soil which is unfavorable to weeds. This is the material that is being used with such remarkable results by the leading Golf Associations for producing velvety, weedless putting greens and fairways. In the vegetable garden it will increase the yield wonderfully and improve the quality. It is dry, odorless and easy to use, therefore desirable for house plants, shrubs, etc. A 10-lb. bag sufficient for 2,500 square feet of lawn or garden. 10-lb. bag, \$1.00; 25-lb. bag, \$1.50.



Mexican June Corn—This dependable variety, largely planted late in the spring throughout the entire Cotton Belt; originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise sowing before May 1st if grain is wanted, and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves 4 to 6 feet long. The roots run deep and spread, so that it is splendid drought resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and a few blue grains. This apparent mixture of color is peculiar to many varieties of Mexican corn. Mighty fine for "roasting ears" for use right up to frost.

White June Corn (80 to 90 Days)—Considered by many equal to the Mexican June. Grains pure white, ears a little larger than North Carolina, grows successfully with only half normal rainfall and adapted to all soils in the Cotton Belt. The heavy root system makes it resistant to hot, dry weather.

Tait's Early White Dent—The stalk is short and thick. The ears grow long on the stalk, from 7 to 9 inches in length, almost parallel throughout, of medium size, averaging 14 rows of grains, and will mature in 90 days. The grains are pure white, compact and heavy. The cob small.

Snow Flake White Dent—Large size, very early; a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days.

HOW TO MEASURE CORN IN THE CRIB

This will apply to crib of any kind. Two cubic feet of sound, dry shucked corn in the ear will make a bushel shelled.

To get the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth and height of the crib inside of the rail, multiply the length by the breadth and then multiply the product of these two dimensions by the height; then divide the product by two and you will have the number of bushels in the crib.

25/10 cubic feet of slipped shuck corn equals 56 lbs. of shell corn.

SEED CORN PRICES		Postpaid		Not Postpaid	
HARPETH VALLEY SEED CORNS		Qt.	Gal.	Qt.	Gal.
Harpeth Valley Champion White Dent	\$0.35	\$0.90		\$0.25	\$0.70
Harpeth Valley Early Yellow Dent	.35	.90		.25	.70
Harpeth Valley Large Golden Yellow Dent	.35	.90		.25	.70
Harpeth Valley Hastings' Prolific	.35	.90		.25	.70
Harpeth Valley Paymaster	.35	.90		.25	.70
Harpeth Valley Mosby Prolific	.35	.90		.25	.70
Mexican June	.50	.80		.30	.60
Snowflake White Dent	.35	.90		.25	.70
Tait's Early White Dent	.35	.90		.25	.70
White June	.35	.90		.25	.70
Webb Watson	.35	.90		.25	.70

QUANTITY PRICES—See Green Ink Price List in back of catalog for quantity prices.

PREPARATION OF LAND

Begin the preparation of land by feeding it, viz: Adding humus through green fallow crops, such as cow peas, crimson clover, vetch, etc.; any of these crops will more than pay for themselves in either cured or green feed, and the stubble turned under will enrich the soil in nitrogen and humus, as these plants obtain their supply of nitrogen from the air and give it to the soil. Should the land be thin, an application of two to three hundred pounds of Acid Phosphate, which furnishes the phosphate so much needed to bring the corn crop to perfection.

Yellow Varieties

Reid's Early Yellow Dent—This is a leading standard yellow variety originated in Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion this is the most popular variety of yellow corn grown in the United States. Color, deep yellow, with lighter cap. Grain very deep, closely packed; butts and tips almost entirely covered over. Matures in 90 days.

Iowa Gold Mine—Large ears; grains are a bright golden yellow; matures in about 100 days.

Mammoth Tennessee Yellow Dent—The ears are of perfect shape with from 10 to 14 straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. Matures in about 110 days.

Jarvis Golden Prolific—A native southern yellow corn which has been carefully bred—a very superior corn and one of the very few yellow corns that bears two good ears to the stalk. Grains are a deep golden yellow, ears very firm and solid, about 7 to 10 inches long, grain medium in size. Jarvis Golden Prolific pleases every farmer who tries it. You will want to increase your acreage in it next year if you plant Jarvis this spring—a very productive and desirable variety.

R.-H. Co.'s 90-Ray Yellow Dent—When you desire an early maturing, yellow corn, buy R.-H. Co.'s 90-Ray Yellow Dent—a hustler, very productive and desirable all around.

R.-H. Co's Popcorn

Borden's Improved Baby Rice—A new Dwarf Rice Popcorn of unexcelled quality. Its crowning merit lies in its excellent popping qualities, fine flavor, and absence of hull or shell. Pkt., 15c; ½ lb., 25c; 1 lb., 40c; postpaid. Not prepaid, ½ lb., 20c; 1 lb., 30c.

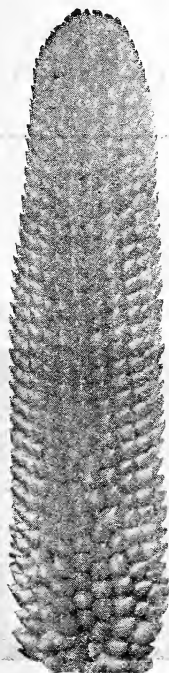
Borden's Improved Golden Rice—A pure yellow grained rice Popcorn, pops crisp and large. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; postpaid. Not prepaid, ½ lb., 15c; 1 lb., 30c.

Japanese Rice—Also called Little Buster; popping qualities unexcelled; quality corn and tender. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; postpaid. Not prepaid, ½ lb., 15c; 1 lb., 25c.

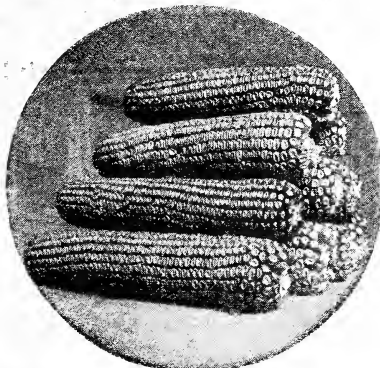
White Rice—Very easily popped, tender and white. Pkt., 10c; ½ lb., 25c; postpaid. Not prepaid, 1 lb., 20c.

Queen's Golden—A beautiful golden color; pops large, very crisp. Pkt., 15c; 1 lb., 25c; postpaid. Not prepaid, 1 lb., 20c.

SEMESAN JR. Makes Seed Corn Healthy



White Rice



Jarvis Golden Prolific

FREE WITH ORDERS

1929 CALENDAR AND ALMANAC

Useful in many ways, gives weather predictions for the next 12 months with other information.

When requested, we will mail you a copy of our 1929 Almanac Calendar.

Don't fail to ask for a copy when sending your order.

CROW-TOX

Crow and Pest Repellent

Protects seed corn. Saves seed loss and replanting.

Crow-Tox protects corn from Crows, Blackbirds, Moles and other pests.

Crow-Tox aids and hastens germination, thus healthier stalks and larger yields.

½ pint can, treats 1 bushel seed corn, \$1.00; parcel post, \$1.10.

1 pint can, treats 2 bushels seed corn, \$1.50; parcel post, \$1.65.



White Rice

White Rice



Reir's Early Yellow Dent

TREAT YOUR CORN WITH BAYER DUST

This picture shows the effect of Bayer Dust treatment on corn. Stimulates growth, keeps seed from rotting in the ground, and often times increases yield from 5 to 10 bushels. Average increase for 150 was 6 bushels per acre.



Treated

Untreated

Users also report that it helps keep mice, squirrels, moles and other pests from bothering the seed before it comes up.

Simply dust it on the seed and mix thoroughly according to directions on the can. You can treat shelled seed now and store it until planting time or treat just before planting.

The 1-lb. can will treat 5 bushels of seed corn and costs you only \$1.75 per pound.

QUANTITY PRICES—See Green Ink Price List enclosed for Quantity Prices on Seed Corn.

SEED CORN PRICES

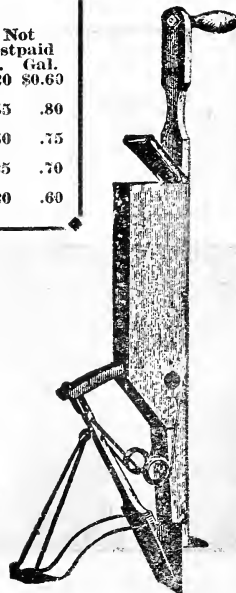
	Postpaid	Not Postpaid
	Qt. Gal.	Qt. Gal.
Iowa Gold Mine.....	\$0.50 \$0.80	\$0.20 \$0.60
Jarvis Golden		
Prolific .....	.45 1.00	.35 .80
Mammoth Tennessee		
Yellow Dent.....	.40 .95	.30 .75
Reid's Early Yellow		
Dent .....	.35 .90	.25 .70
R.-H. Co.'s Early		
Yellow Dent.....	.50 .80	.20 .60

SEGMENT ONE-HAND CORN PLANTER

Simple and accurate in operation. Light in weight, yet strong and one of the most up-to-date planters on the market. Never cracks a kernel nor skips a hill.

Many farmers use it to plant soy beans in corn, and others use it for replanting their melons, etc., as the machine can be adjusted for any size seed. Weight 5 lbs. Each, \$1.75, f. o. b. Memphis. Cannot be mailed conveniently.

If you want to be certain of results, safe and always sure; if you want more chicks; livelier chicks, then let it be a Jamesway Coal Burning Brooder.





For 1929

Never before have we been able to offer our customers such a uniformly excellent selection of carefully handled pure bred varieties of planting cotton seed as we have gathered together for this spring.

A Cotton For Every Need

We are not plant breeders ourselves—plant breeding is a profession in which a breeder gives years to breeding and developing one particular type of cotton. Our customers require and demand more than one variety; in fact, since we sell planting seed all over the entire cotton belt and export many thousand bushels to foreign countries, we must have different varieties for different soils, different climatic conditions, different marketing conditions. There is a variety suited to each particular condition—handling all of them for years, we can recommend to you the variety our experience tells us is best for you.

The Best of Each Variety

We keep constantly in touch with plant breeding work all over the South. As soon as a new variety has proven its worth (very few of the many new varieties started finally "come through") and is available in commercial quantities, we have the seed to offer to our customers. We buy from breeders where their production is large enough or from growers who have planted such breeder's seed and have produced quantities large enough to supply our enormous requirements.

Tested For Germination

Germination tests are made on all our seed, and a careful record kept. We offer no seed to anyone that we haven't every reason to believe is right. We do not leave such matters to chance.

Machine Culled and Graded

We have the latest improved machinery installed in our own warehouses for culling out hulls, loose cotton, trash, for removing the light weight immature seed, and blowing out all dirt. Therefore the seed we ship are plump, full weight, uniform seed, clean of all trash; easy to plant, come up to a uniform stand of strong vigorous plants (plump heavy seed produce strong plants—light weight seed produce weak, sickly plants, and we remove these). Our culled and graded seed require less seed per acre to obtain a stand, which is a saving, and they produce more cotton per acre, which means more profit to you.

Car Lots a Specialty—Single Sack Orders Just As Welcome

If a single bushel or a sack is all you need or can afford to buy this year, order it, by all means, and get that much of a start with Pure Bred Seed—prove to yourself that it pays.

We sell many carloads every year all over the South—last year we sold forty cars of one variety. We can furnish straight cars of one variety or mixed cars containing two or more varieties. We sold one dealer over 400 tons last year—consisting of five popular varieties.

Order Early!

You recall the scramble that ensued last April and May for planting seed. Unfortunately lots of farmers had to take what they could get and a great deal of it was mixed. All of these farmers will want to get pure seed this year—and there are literally thousands of them. There is not as much pure bred planting seed available this spring as last—it is a known fact. Order early and get pure bred seed—order early and pay less money than you will later on.

Prices

Less Car Lots: See Green Ink Quantity List in back of catalog.

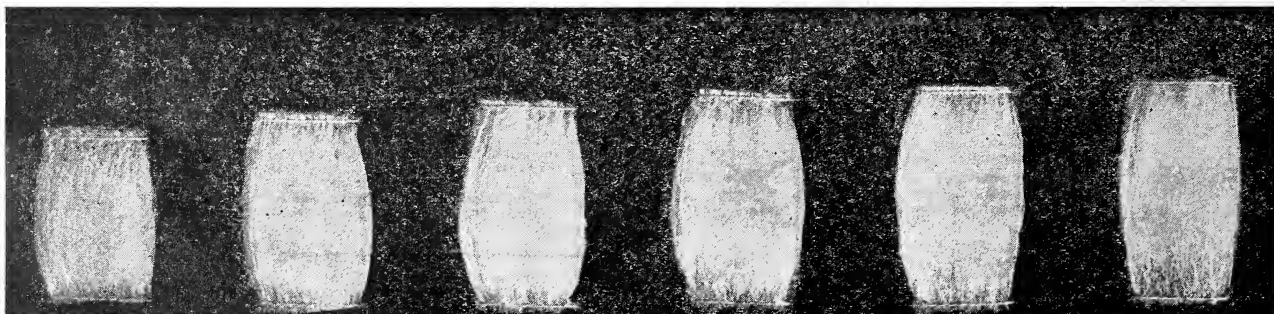
Car Lots: Ask for Special Price delivered your station. Write, wire or phone.

Fertilizers for Cotton

Thousands of the best farmers in the country are using either Nitrate of Soda or Sulphate Ammonia on their cotton. It is paying them and it will pay you—they will increase your yield from 50 pounds to 150 pounds lint cotton per acre. Cut down your acreage, save on your operation expense and raise more cotton per acre with Nitrate of Soda and Sulphate Ammonia.

We carry in stock for quick shipment Nitrate of Soda, Sulphate Ammonia, and Acid Phosphate, Muriate of Potash, also ready mixed formulas for cotton, corn, truck crops, etc.

Less carlot prices on Green Ink Price List enclosed—ask for carlot prices delivered your station.



7/8 Inch

1 Inch

1 1/8 Inch

1 1/2 Inch Commercial

1 3/4 Inch

1 7/8 Inch Full

Extra Early Medium Boll Varieties

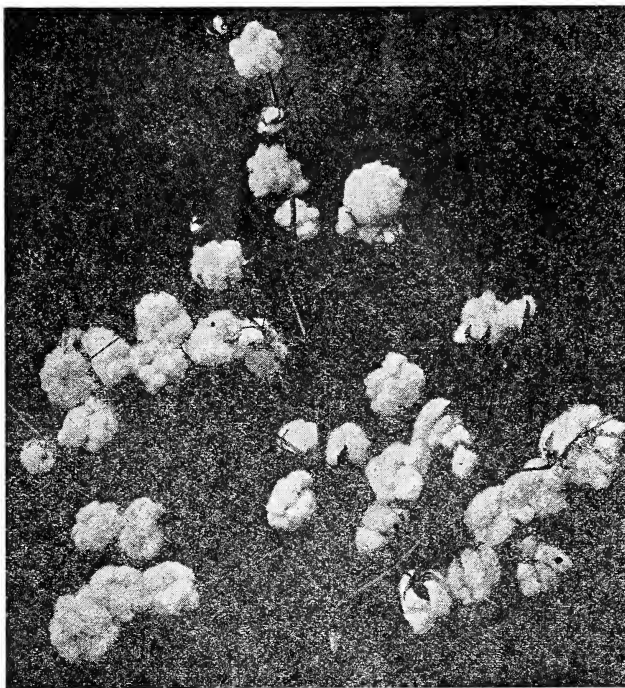
Wannamaker Cleveland

Wannamaker Cleveland is a short cotton, say $\frac{3}{4}$ to 1 inch in length, and for about fifteen years this variety has stood the test of time, maintaining its popularity against all comers. Year in and year out Wannamaker Cleveland has made good crops, and good money for those who planted it. In our opinion it is by far the best of the cottons of its length on the market today.

There has to be a reason for this and the reason, or rather many reasons, are found in a description of the cotton. Wannamaker Cleveland does not make a "weedy" plant, but is a compact and closely fruited plant that allows the sunlight to reach every portion of it. Such a plant puts on fruit quickly and matures its bolls very rapidly. We know of other cottons that have earlier blooms, but by mid-season Wannamaker Cleveland has usually set more lint cotton per stalk, and maintains this position throughout the season.

Wannamaker Cleveland has a medium sized boll that is easy to pick and an unusually large turn-out at the gin, about 37 to 38 per cent usually. This is where it outshines the long staple cottons that take so much seed cotton to make a bale—only 1350 pounds being required to make a 500-pound bale.

Wannamaker Cleveland can be planted on any soil and will come nearer thriving under any and all conditions than any cotton we know of.



Wannamaker Cleveland

Half and Half

Most cotton buyers will tell you not to plant Half and Half because it is very short in staple, and rather brittle. That's why we have preferred other varieties; however, year after year some farmers plant nothing else, and get almost as much per pound for their cotton as any short cotton brings. They claim what they lose in price they make in yield, so there you are. As long as a man makes money he doesn't care what name his cotton is called.

Half and Half has the best turn-out at the gin of any cotton—1200 pounds making a bale of 480 to 550 pounds. It is also an early cotton and a heavy producer. It would be foolish to plant it on rich Delta soil, but on creek bottoms and all uplands, it surely does earn its way.

Our seed are carefully selected, culled and graded and recleaned.

King's Early Improved

It is true this is a very short cotton, but it is not objectionable like Half and Half, and when you remember that it is just about the earliest cotton grown, you can see why it is deservedly popular. Many and many a time King Cotton has pulled farmers "out of a hole" when they had to replant their crop, where they would have failed with a later variety. A very prolific variety, medium size boll, and very prolific yield; lint outturn 36 per cent, good.

Extra Early Big Boll Varieties

Acala No. 5

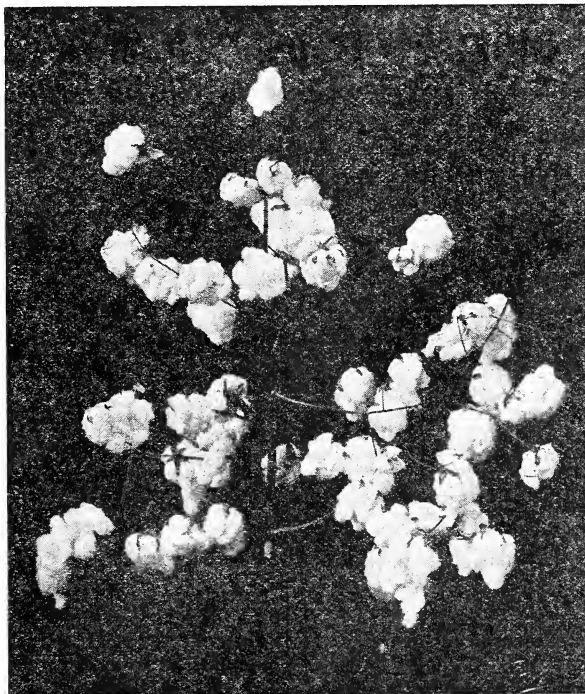
The best cotton we know of among the $1\frac{1}{4}$ to $1\frac{1}{2}$ inch cottons. Cotton buyers everywhere are partial to Acala and it usually brings a premium over other cottons of same type. It has an extra strong, tough and silky fibre, which explains the premium in price.

We have seen Acala lint in constant demand among cotton buyers when longer and shorter staples were left on the tables.

Acala has quite a large boll, yet it is an early maturing cotton, 't is easy to pick yet storm resistant, and one of the best drouth resistant varieties we know of. Lint percentage runs usually 35 to 37 per cent, another advantage over staple cottons.

On the rich black heavy soils Acala is inclined to make considerable stalk so probably Delfos cottons are better there, but on the other soils, particularly sandy type soils, Acala is unbeatable, and we have seen some remarkable yields per acre with it.

We know of other cottons that have earlier blooms and possibly show a few open bolls first, but when it comes to ginning, Acala has as many bales ready as the most of them.



Acala No. 5

Wilson Type Big Roll

This variety is an Arkansas product—extra big bolls, staple an inch to $1\frac{1}{4}$ inches, lint percentage about 37 per cent, a cluster type where bolls are bunched together making it easy to pick, early in maturity and a good yielder in the field.

Rowden Big Roll

A Texas Cotton developed years ago and still popular. Extra big boll and seed unusually large, Rowden is very easy to pick, yet is storm resistant. It also stands drouth well. Staple is about 1 inch to $1\frac{1}{4}$ inches, lint percentage about 35 per cent. For bottom lands it is recommended and gives good results, but on sandy soils and ridges, not so desirable as Acala.

Mebane Early Triumph

About $1\frac{1}{4}$ to $1\frac{1}{2}$ staple, a very tough fibre, its strength making it popular always among cotton buyers. Stands the drouth well, is extra storm resistant, has large boll and a very high lint turn-out, about 37 per cent. Mebane Triumph has always been a very prolific cotton.

Quantity Prices

For Quantity Prices on Cotton Seed, see Green Ink List in back of book.

Long Staple Cottons

Delfos Varieties

The Delta Branch Experiment Stations bred and developed these cottons and in this one act justified all the expense of operation of this station since its existence. Delfos Strains 6102 and 631 became prominent first, followed by 911 and other equally fine strains. The entire cotton industry was rendered a service in the development of the various strains of Delfos, for they increased many farmers' bank accounts.



Our Delfos—6102—2¼ Bales Per Acre on Six Acres

Delfos 911 and A-2-C-3 are both later strains of Delfos 6102

Delfos A-2, C-3

Developed from Delfos 6102

This strain of Delfos was bred from Delfos 6102 by a former Mississippi Experiment Station plant breeder and is equally as famous as strain 911. The Sears Roebuck \$1500.00 prize offered at the National Cotton Show, Memphis, Tenn., for best cotton stalk grown in the South in 1928, was won by a stalk of Delfos A-2, C-3, containing 220 matured and fully opened bolls.

Extra early, plant a little larger than Delfos 6102, and more disease resistant, picking qualities good, but percentage 31 to 33 per cent, staple 1½ to 1¾ inches. A farmer planting Delfos A-2, C-3 can know he has one of the best cottons yet produced.

Delfos 6102

Delfos 6102 is very early and very prolific. Due to these two characteristics and to its open type and dwarfness, Delfos is especially adapted to new ground or other rich land. This does not mean, however, that it is not good for general planting. It has made good on most types of soil except those infected with wilt, or extremely thin, unfertilized soils.

While the plants are dwarf, the fruit limbs are very long for the size of the plant; few basal and vegetative branches, length of staple 1½ to 1¾; 75 to 80 bolls making a pound.

Delfos 6102 has very light foliage, the sunlight can get all through the plant, bringing out a most wonderful quantity of blooms, and setting more forms up to August 1st than the weevil can destroy. It is therefore adapted to closer spacing than possible with more rank varieties. It has done well over a wide range of territory, particularly on rich Delta soils.

If you buy Russell-Heckle's Delfos 6102 you will get the genuine. Don't sacrifice your chance for a "big crop of cotton" by buying seed from some unknown dealer or grower.

Delfos 631

Developed from Delfos 6102

This strain was originated by Delta Experiment Station in Mississippi and has brought fame to that institution. For the planter wanting a cotton of 1¾ to 1½ inch staple there is no better cotton grown. The even-running quality of its staple is especially desirable to cotton buyers, and it is one of the heaviest producing cottons grown.

Maturity early, though of course not quite so early as strains 911 and A-2, C-3; bolls larger 60 to 70 to the pound, lint percentage 30 to 32 per cent, picking qualities good, storm proofness good, plants larger than the 6102 strain. A justly popular cotton and a money-maker.

Delfos 911

Developed from Delfos 6102

Delfos 6102 was originated at the Delta Branch Experiment Station, and was at that time the fastest maturing cotton yet produced and one of the heaviest yielders. A dwarf type of plant made it exceptionally fine on rich bottom lands where other cottons make too much stalk. Length of 1¾ to 1½ inch. lint percentage about 31 per cent.

Strain 911 was developed from Delfos 6102 and is even better—extra early, boll slightly larger, staple 1½ to 1¾ inches, lint percentage a little larger. It has everything to make it a desirable cotton for Louisiana planters.

Other Varieties of Cotton

We have listed and described only the most popular varieties of cotton, as our space is limited. There are, of course, many other varieties on the market, some with different characteristics, some merely with different name, but otherwise very similar.

If you want a variety that you do not see listed or described, write us and we can get it for you if it is on the market. We can probably obtain it for you at less than you could yourself, and get the best quality obtainable.

Quantity Prices

For Quantity Prices on Cotton Seed, see Green Ink List in back of book.

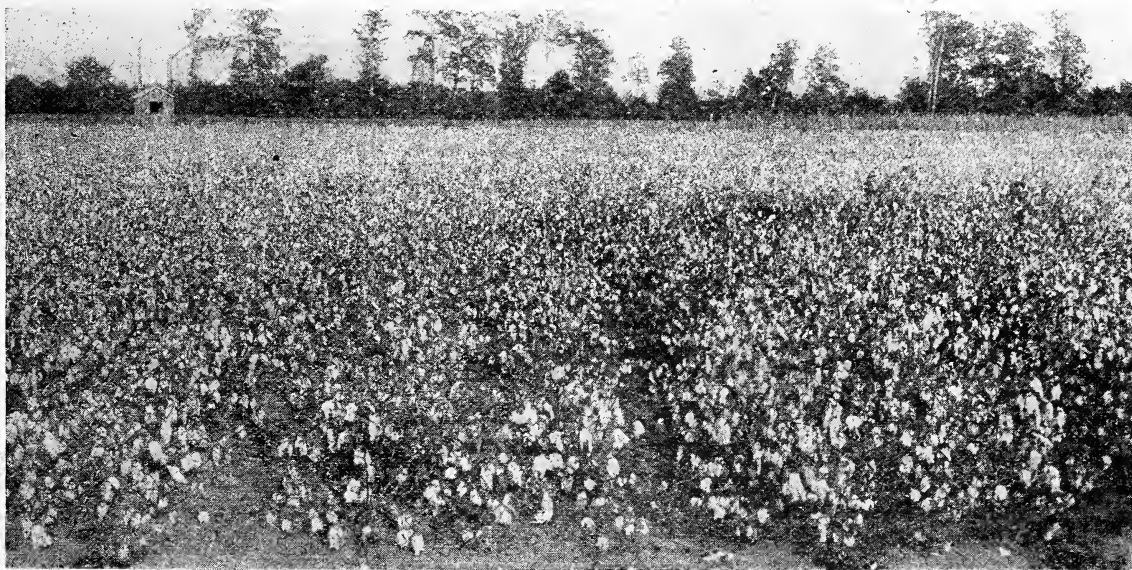
WE ARE SALES AGENTS FOR

STONEVILLE PEDIGREED SEED CO., Stoneville, Miss.**Breeders and Growers of Delfos and Stoneville Cottons**

Probably no other cotton breeders in the world are better known than this company. Situated in the heart of the famous Mississippi Delta their seed are sought and planted all over the cotton producing territory. For years they have given that painstaking attention to detail so essential in this highly technical work which has brought their Delfos and Stoneville Cottons to the forefront among scientifically bred Cottons.

Their seeds are worth every penny they ask for them—the cost will be more than seed not from breeders, but for every extra dollar you pay for a ton of Stoneville Pedigreed you can expect more than a dollar extra return in the resulting crop.

We undernote a list of their latest strains which we offer. Seed will be shipped in original Stoneville Pedigreed Seed Company bags and in most cases direct from Leland, Miss., their shipping point. We sell at exactly the same price they do—they pay us a small commission to cover our expense of selling. Send us your order early—these breeders are usually sold out long before planting time.



A field of Cotton at the Stoneville Seed Co.'s Experimental Farm.

Stoneville No. 1

A new variety and as near the "Ideal Cotton" for the greater part of the cotton belt yet produced. A large boll, 55 to 60 to pound, yet extra early—as early as the famous Trice; plants very dwarfy and stocky, length of lint $1\frac{1}{4}$ to $1\frac{1}{2}$, picks easily yet very storm resistant and lint percentage 33 to 36%. Listen to this—ranked first in earliness, first in prolificness, first in money value in 1927 at both Holly Springs, Miss., Experiment Station and at Oklahoma Experiment Station, Stillwater, Okla.

Stoneville No. 2

A little longer than No. 1, staple $1\frac{1}{4}$ to $1\frac{1}{2}$ full. Plants are medium vigorous and spreading, boll medium large 60 to 70 to pound, picking qualities good, storm-proofness good, lint percentage 33 to 35%, foliage medium light, maturity about as early as Delfos. Probably better for rich valley land than No. 1, in that it has smaller leaves, is more open in plant growth and better staple.

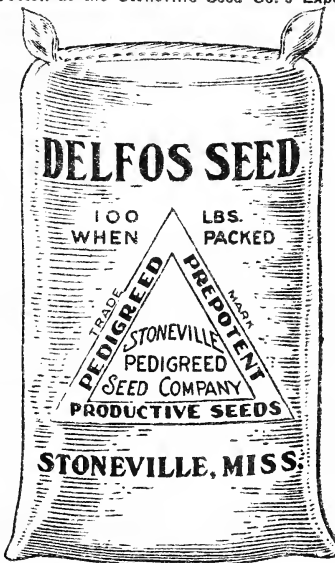
Delfos No. 2

Selected from Delfos 631

Stoneville Pedigreed Seed Company say of this cotton: "Delfos No. 2 is our latest improved strain of 631, though in many respects resembling 6102. It combines the prolificness of 6102 with the better picking qualities of 631, and is more vigorous than either. This strain is especially adapted to the thinner lands on which the other strains of Delfos fail to grow large enough plants. It has considerable wilt resistant and withstands dry weather exceptionally well. It has a good yield record but is not as uniform as 6102 in plant type."

Plants vigorous, spreading open; maturity, early, though few days later than 6102; bolls 70 to 80 to pound, picking qualities good, better than 6102; storm-proofness much better than 6102, but percentage 31 to 33, staple $1\frac{1}{4}$ full to $\frac{3}{4}$.

For prices on Stoneville Pedigreed Cotton Seed, see Green Ink List in back of book.

**Delfos 6102—A-2, C-3**

Selected from Delfos 6102

Has the same good qualities of the original 6102 strain, with many added virtues—probably the best all round "Rough and Tumble" Delfos cotton to be had—lead in 1927 in tests of commercial cottons at Mississippi Delta and Mississippi A. & M. College Experiment Stations.

Plants larger and more uniform than 6102 and more disease resistant, very early, 80 to 90 bolls to pound, picking qualities good, storm-proofness fair, out-turn 31 to 33, staple $1\frac{1}{4}$ to $1\frac{1}{2}$. The stalks that won first prize at Cotton Exposition at Memphis in October, 1928, in competition with entire South was Delfos A-2, C-3, grown by Stoneville Pedigreed Seed Company.

Delfos 6102—911

A Selection from 6102

Delfos 6102—911 differs from 6102 in that it is a more vigorous growing plant, a shade better staple and a larger boll. It is also more uniform. This cotton was one of the highest yielders in test of the Stoneville Pedigreed Seed Co., test planted after the 1927 flood. They say "You will make no mistake in planting this strain."

Delfos 6102—0245

A New Pedigreed Strain of 6102

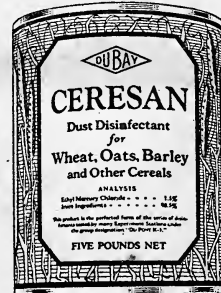
Stoneville Pedigreed Seed Company say of this strain: "We believe 6102—0245 to be the very best strain of Delfos we have to offer this season. It is the most prolific blooming Delfos we have ever tested, making it a most valuable cotton for boll weevil territories. It has very light foliage and the right type of plant for heavy production. It has made a great record from the Atlantic to Texas. See 1927 report from Scott, Arkansas, experiment station report for the wonderful record 6102—0245 made. We especially recommend Delfos 6102—0245 for fertile valley lands." Plants open, very low and spreading, many long slender fruiting branches with very small leaves; bolls 80 to 90 per pound, picking qualities good, storm proofness fair, staple $1\frac{1}{4}$ to $1\frac{1}{2}$, good character; lint 31 to 33%.



SEED DISINFECTANTS

Prevent Diseases—Increases Yields—Improve Quality

The seed disinfectants formerly made by E. I. Du Pont de Nemours & Company of Wilmington, Delaware, and the Bayer Company of New York City are now being manufactured and sold by the Bayer-Semesan Company under the DuBay trade mark. Thousands of farmers, truckers and florists have found these products satisfactory in controlling various seed-borne diseases. By removing the handicap of disease, the seed is stimulated into germinating more quickly, producing an improved stand of more vigorous plants which generally yield larger crops of better quality. The cost of treatment is so small and the products are so easily applied that you cannot afford to pass up this inexpensive preventive treatment.



PRICES OF CERESAN

8-oz. tin...	\$ 0.50
1-lb. tin...	.75
5-lb. tin...	3.00
25-lb. pail...	12.50
100-lb. drum...	49.00
300-lb. drum...	144.00

Semesan for Flower and Vegetable Seeds

Semesan is indispensable to those growing vegetables or flowers whether for market or home use. It may be applied in dust or liquid form to the seed before planting. It is harmless to the seed but deadly to any disease organisms that may be on the seed.

Semesan is such a powerful and effective disinfectant that seed treatment with it is ridiculously low in cost, from $\frac{1}{4}$ c to 1c per pound of seed. One ounce treats 15 lbs. of seed. Effective in controlling damping off, the Brown Patch disease which affects golf greens and such devastating gladiolus diseases as hard rot and scab.

Prices: 2-oz. tin, 50c; 1-lb. tin, \$2.75; 5-lb. tin, \$13.00; 25-lb. pail, \$56.25; 100-lb. drum, \$220.00; 300-lb. drum, \$645.00.

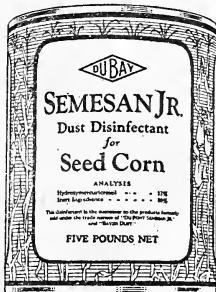


Ceresan for Cereals

Now, only one product is necessary for the seed treatment of wheat, oats, barley, rye or sorghum, CERESAN. Here is an easily applied dust treatment which has proven effective in controlling such seed-borne diseases as bunt or stinking smut of wheat; stripe disease of barley; loose and covered smuts of barley and oats and covered kernel smut or sorghum.

Ceresan does not injure the seed nor the grain drill. Only 2 ounces of Ceresan required per bushel of wheat, rye or sorghum and 3 ounces for barley and oats. Easy to apply, economical to use.

Semesan Jr. for Seed Corn Costs Less Than 3c an Acre



PRICES OF SEMESAN JR.

4-oz. tin.....	\$ 0.50
1-lb. tin.....	1.75
5-lb. tin.....	8.00
25-lb. pail.....	31.25
100-lb. drum.....	120.00
300-lb. drum.....	345.00

Applied by the simple dusting operation at the rate of 2 ounces to each bushel of seed corn, Semesan Jr. offers the cheapest and most effective form of disease insurance.

It is especially effective in controlling seed-borne infections of diplodia, Gibberella and Basiporiom, without harming the seed embryo in the least. Tests have shown Semesan Jr. to increase the yield even from known disease-free seed.

Its use protects the seed from rotting in the ground and makes possible earlier planting which generally results in increased yields. Improved germination, better stands, control of certain diseases, increased yields, these are the benefits which thousands of farmers are reaping, at a cost of less than 3c per acre.

Treat Your Seed Potatoes With Semesan Bel or Dipdust

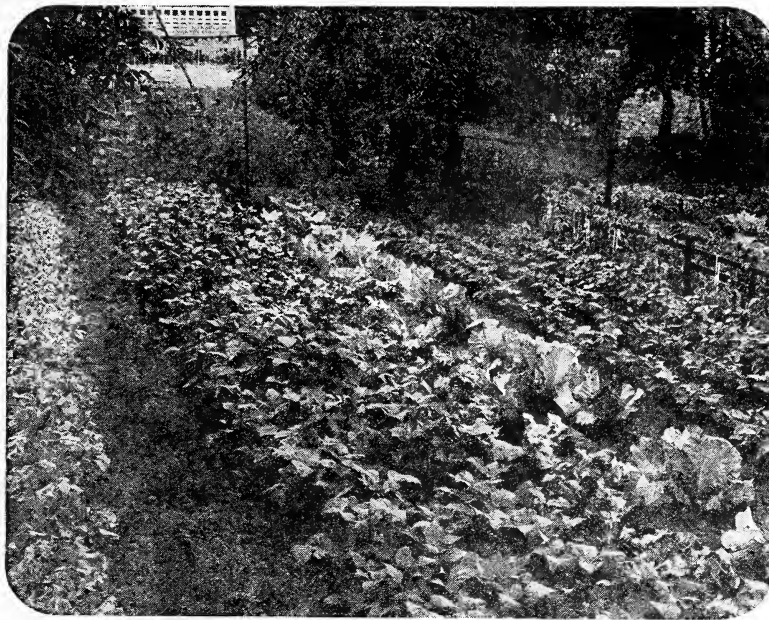


PRICES OF SEMESAN BEL OR DIPDUST

4-oz. tin.....	\$ 0.50
1-lb. tin.....	1.75
5-lb. tin.....	8.00
25-lb. pail.....	31.25
100-lb. drum.....	120.00
300-lb. drum.....	345.00

Instead of using chemicals for treating your seed potatoes which require tedious soaking and which sometimes injure the seed piece, use the quick, easy, time-saving Semesan Bel treatment. Simply mix, dip, drain, dry and the potatoes are ready for planting. Semesan Bel may be used on either whole or cut seed pieces. A quick dip into the Semesan Bel solution and the seed potatoes are covered with a protecting film of disinfectant which effectively controls such seed-borne disease organisms as scab, rhizoctonia and black-leg. By controlling these diseases, germination is generally increased, stand improved and the resultant crop of potatoes is bigger and of better quality. Crop increases of from 10 to 15% are common. One pound treats 15 to 20 bushels of seed, using either Semesan Bel or Bayer Dipdust, both of which products we sell.

All above prices are f. o. b. Memphis. Semesan, etc., is not mailable. Send all orders to Russell-Heckle Seed Co., Memphis, Tenn.



TOP NOTCH VEGETABLES

PROTECT YOURSELF FROM FAILURE —INSURE YOUR CROPS BY PLANTING HUSSELL-HECKLE'S TOP NOTCH SEEDS.

Our seeds are as good as can be obtained anywhere. No matter what others may ask for their seeds, better quality cannot be obtained anywhere, as our fast increasing trade will testify.

PRICES

The prices we quote on vegetable and flower seeds will hold good as long as stocks last. Quotations on all farm seeds, grain, etc., are those ruling January 1, 1929, and are subject to market changes; as far as possible we will fill all orders for such seeds in full, but if market values will not permit this we will send all that money remitted will pay for.

POSTAGE

We pay postage wherever the word "Postpaid" appears. Otherwise, prices are F. O. B. Memphis, buyer to pay freight, express or postage charges.

OUR SPECIAL DISCOUNT

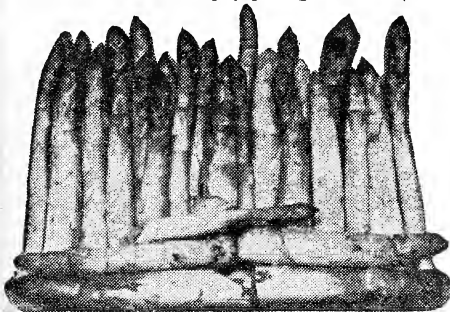
On all cash orders for garden and flower seeds at catalog prices, we will allow the following special discount.

For \$1.00 select seeds in packets, 1 oz., ¼ lb., 1 lb., ½ pint, 1 pint, 1 quart, to the value of \$1.20.

For \$2.00 select seeds in packets, 1 oz., ¼ lb., 1 lb., ½ pint, 1 pint, 1 quart, to the value of \$2.50.

For \$3.00 select seeds in packets, 1 oz., ¼ lb., 1 lb., ½ pint, 1 pint, 1 quart, to the value of \$3.75.

And remember we pay postage.



These special discounts do not apply on any Bulbs, Plants, Fruit Trees, Farm Seeds, Fertilizers or Poultry Supplies. Only Garden and Flower Seeds in the size packets named above.

Our prices are reasonable, our discounts liberal, our seeds the best. Send us your orders—we will treat you right.

ASPARAGUS SEED

Sow outdoors in February and March in 18 inch rows, dropping two seeds every 6 inches, cover seeds 1 inch. One ounce will sow 50 feet of row and produce two hundred plants.

Washington—The New Giant Rust-proof Asparagus. This is the result of years of plant breeding by the U. S. Department of Agriculture. It grows very large and being rust-proof makes it a very valuable variety for both home use and market. Pkt., 10c; oz., 20c; ¼ lb., 60c.

ASPARAGUS ROOTS

Asparagus Roots thrive best in soil exceptionally rich and mellow and supplied with a liberal amount of humus. A simple way to start the Asparagus bed is to plow furrows 7 inches deep and 3 to 4 feet apart, then set the plants in the trench, allowing 12 to 18 inches between them; spread the roots out well and cover with two inches of soil. After cultivation, gradually fill up the trench, eventually burying the crowns of the plants to a depth of 6 inches.

Price: 2 year old roots, doz., 50c; 50, \$1.50; 100, \$2.60; postpaid. Not prepaid, doz., 40c; 50, \$1.25; 100, \$2.25; 1,000, \$15.00.

ARTICHOKE

Large, Green Globe—Bears large flower heads, which are prepared for eating the same as asparagus. The seed may be started in a hot-bed, or in open ground when all danger of frost is over. When ready to set in the garden make rows 4 feet apart and set plants 2 feet apart in the rows. The plants when mulched, will live through the winter. Pkt., 10c; ½ oz., 35c; oz., 60c.

BROCCOLI

Similar to cauliflower and is prepared for the table in the same way. The seed should be sown and cared for in the same way as cabbage or cauliflower. Pkt., 10c; ½ oz., 35c; oz., 60c; postpaid.



CHAS. E. HECKLE
Vice President

I have been in the seed business in Memphis 47 years, and our firm is selling today many of the sons and grandsons (and granddaughters, too) of my original customers.

This is a record of which I am naturally proud for it reflects something of the conscientious study and effort that I have put into my life work throughout the past almost half century. In this period the seed business has seen many changes, and I have kept young by keeping pace with the times.

Gardens that are practical are my hobby and the various strains of vegetables here offered for your consideration have been carefully selected for their dependability and general excellence.

Consider our firm as a Service Bureau—any help we can offer will be considered a privilege. Visit us when you are in town, write us when you can't get away from your duties. Every order given us is considered an obligation to be faithfully discharged.

CHAS. E. HECKLE.

BRUSSELS SPROUTS

An erect-growing plant whose stalk is closely covered with light green buds resembling small cabbages which should be cooked in the same manner as cabbage or cauliflower. Seed may be sown early in May; later the plants may be set about 2 feet apart and cultivated like cabbage. Pkt., 10c; oz., 25c; ¼ lb., 70c; postpaid.

CELERY

Sow seed in February or March in hot-beds. Transplant when two or three leaves develop. Plant in field when danger of frost is passed in rows 3 to 5 feet apart and 6 inches apart in the rows. Blanch by banking up with soil or placing boards or paper against the rows. One ounce of seed produces 2,000 plants.

Prices, Postpaid:	Pkt.	Oz.	¼ lb.
Giant Pascal	5c	25c	60c
Golden Self Blanching.....	5c	35c	85c
Henderson's White Plume.....	5c	25c	60c
Winter Queen	5c	25c	70c
Celeriac Turnip Rooted.....	10c	40c	90c

CHICORY—Sow in April and transplant in trenches 1 foot deep. Valuable as a salad as well as a vegetable.

WITLOOF—Used for the top. Also called French Endive. Pkt., 10c; oz., 25c; ¼ lb., 75c; postpaid.

MAGDEBURG—Used for the roots. Cut in slices and dried makes substitute for coffee. Pkt., 10c; oz., 20c; ¼ lb., 45c; postpaid.

CORN SALAD, or FETTICUS—One ounce will sow about 18 square feet. Sow in September or October. Large, round-leaved. Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.25; postpaid.

CRESS, or PEPPER GRASS—One ounce will sow about 15 square feet. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25; postpaid.



Russell-Heckle Co.'s Best Beans

All of our Beans are carefully grown and will please the most critical market gardeners. It will also pay you to inoculate Beans with R.-H. Co.'s inoculation and fertilizer with sheep manure.

Bountiful Bean—This plant is very handsome and of sturdy growth, being practically immune to rust and mildew. It is very hardy, early and prolific and continues in bearing for several weeks. The pods are of immense size, rich green, thick, broad, extra long, solid, meaty, rich, tender and entirely stringless.

Burpee's Stringless Green Pod Beans—One of the finest of the stringless varieties, and now ranking with the famous Valentine in popularity and value. It cannot be recommended too highly to either the market gardener, private grower or canner; it is ready for the table as soon as the Valentine, and the pods, being round and full, are very fleshy and succulent; they are absolutely stringless.

Extra Early Red Valentine Beans—A standard green-podded variety and more extensively grown than any other garden sort. Vines medium to large, erect, with dark green leaves; pods about 4½ inches long, are very fleshy, crisp and tender.

Giant Stringless Green Pod Beans—A very desirable variety of the stringless class; quite early, producing large green pods measuring 5 to 6 inches in length; perfectly round, brittle, very fleshy and entirely stringless. They mature a few days later than the Stringless Green Pod. An excellent sort for both early and late planting.

Full Measure—This magnificent round-podded bush bean bears long, round green pods, stringless.

Tennessee Green Pod—Yields the longest and largest pods of any Bush Beans, flat in shape but of fine flavor.

WAX PODDED BUSH BEANS

Currie's Rust-Proof Wax—Pods light yellow, similar in shape to Golden Wax. 5½ to 6 inches.

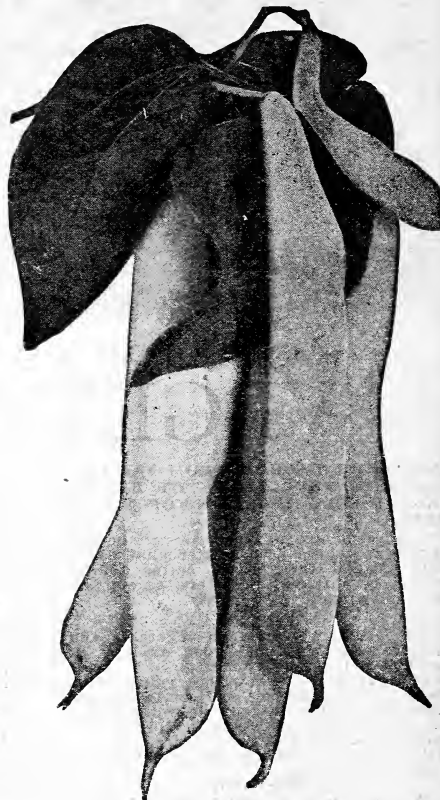
Pencil Pod Wax Beans—The best black seeded Wax Bean for home use or market. Very early and productive, pods large and round, 5 to 6 inches long, strictly stringless, very brittle and of excellent quality.

Sure Crop Wax—A recent introduction similar to Currie's Rust-Proof. Pods are longer, thicker through and entirely stringless.

Webber Wax Beans—Of recent introduction, very early and productive. The plants are strong growing and bear their pods well up from the ground, which are of a rich golden color, tender, brittle and absolutely stringless.

Fifty thousand satisfied customers! Help us make it a hundred thousand. If you like us, tell your friends—we'll treat them right, too.

There are others whom you know that we should be selling—we will appreciate their names.



Webber Wax



Giant Stringless

BUSH BEANS PRICES

GREEN POD VARIETIES	Postpaid			Not Postpaid		
	½ Pt.	1 Pt.	1 Qt.	½ Pt.	1 Pt.	1 Qt.
Black Valentine	\$.25	\$.40	\$.75	\$.20	\$.35	\$.65
Bountiful	.25	.45	.85	.20	.40	.75
Burpee's Stringless	.25	.40	.75	.20	.35	.65
Extra Early Red Valentine	.25	.40	.75	.20	.35	.65
Full Measure	.25	.45	.85	.20	.40	.75
Giant Stringless	.25	.40	.75	.20	.35	.65
Longfellow	.25	.40	.75	.20	.35	.65
Tennessee Green Pod	.25	.40	.75	.20	.35	.65
Stringless Refugee	.25	.45	.85			
WAX POD VARIETIES						
Currie's Rust Proof	.25	.45	.85	.20	.40	.75
Improved Golden Wax	.25	.40	.75	.20	.35	.65
Prolific Black Wax	.25	.40	.75	.20	.35	.65
Pencil Pod Wax	.25	.45	.85	.20	.40	.75
Round Pod Wax	.25	.40	.75	.20	.35	.65
Sure Crop Wax	.25	.40	.75	.20	.35	.65
Webber Wax	.25	.45	.85	.20	.40	.75
SHELL BEANS						
Red Kidney	.18	.35	.70	.15	.30	.60
White Marrow	.18	.35	.70	.15	.30	.60
White Kidney	.18	.35	.70	.15	.30	.60
White Navy	.18	.35	.70	.15	.30	.60

For gallon, peck and bushel prices, see GREEN INK LIST enclosed.

One Quart Will
Plant 200 Feet
of Drill.

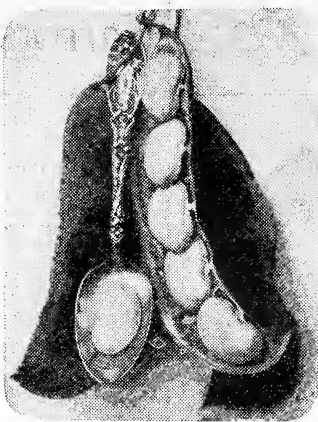
Culture—Plant in May in light rich soil, in drills two feet apart, dropping the seeds about one foot apart in the rows, and cover two inches.

Henderson Bush Lima Bean—The original Bush Lima Bean, known through the South as the "Dwarf Butter Bean." Earlier than all other sorts and very productive; a sure cropper and continues producing until frost. Grown extensively for canning, owing to the small size of the beans, which have the appearance of being young even when old. Pkt., 10c; lb., 25c; 2 lbs., 50c; 10 lbs., \$2.50.

Wood's Prolific Bush Bean (Butter Bean)—An improvement on the Henderson. The pods are larger and the beans of excellent flavor.

Never Fail Bush Lima Bean—This is the most productive of the Bush Limas. About 2 feet high, bearing in greatest profusion, broad, flat pods, each having from three to five medium-sized handsomely speckled beans.

BUSH LIMA BEANS



Henderson's Bush Lima

Pole LIMA Beans

Culture—Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than Bush Beans and should not be planted before May.

Carolina or Sieve Bean—This very early and reliable small seeded Pole Butter Bean is especially adapted for planting in the South. The pods are dark green, short, about three inches, curved, flat. Seed small, flat, white with slight tinge of yellow.

Florida or Speckled Calico Butter—The best variety for bearing early in the season. It will make an abundant crop when others fail. Seeds of the Carolina or Sieve Lima size but are speckled white and brownish red.

Willow Leaf Lima—Strictly a Southern variety. You can't beat it for continuous bearing. Begins early and stays late. One of the heaviest producers, and the quality will please you. Will produce a crop where other varieties fail. Matures in about 100 days.

Pole or Running Beans

Culture—Plant in May and June in rows 4 feet each way; 5 in a hill. Can be planted in corn or by poles, 8 feet high. One quart will plant about 200 hills.

Pole Beans

Burger's Stringless Green Pod—The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor.

Kentucky Wonder, or Improved Old Homestead—Best and earliest of the green-podded running Beans; enormously productive, the pods hanging in great clusters from top to bottom of pole; silvery-green and entirely stringless; deliciously tender and melting; highly recommended.



Kentucky Wonder

Southern White Crease Back—Handsome green pods 6 to 7 inches long, produced in clusters; meaty; almost stringless; splendid shipper.

Scotia or Striped Cornfield—This is the real Cornfield Bean that you have read so much about. If you want a bean to plant in your corn this is your choice. It will produce the kind of results that you'll expect.

McCaslan Pole Bean—Pods average 8 to 10 inches in length, are flat, slightly curved and of a rich green color. Makes an excellent snap bean and the white-shelled beans are unsurpassed for winter use.

DO NOT DELAY ORDERING until you are ready to use the goods you want. It will prove economical often to anticipate your wants. The loss of time in planting by delays of transportation companies, also advances in prices, should show the wise buyer that it is to his interest to order early.

MAKE SOME MONEY

For yourself, club, class, church, grange or lodge. By getting up a club order in which at least five others besides yourself participate.

Give the name and address of each person ordering and place each order on a separate sheet.

Make out orders according to catalog and deduct 10% (10c on each dollar) for your profit.

BEAN PRICES

	Postpaid			Not Postpaid		
	1/2 Pt.	Pt.	Qt.	1/2 Pt.	Pt.	Qt.
Burpee's Bush Lima....	\$0.18	\$0.30	\$0.55	\$0.15	\$0.25	\$0.50
Fordhook Bush Lima....	.25	.40	.70	.20	.35	.65
Henderson's Bush Lima..	.18	.30	.55	.15	.25	.50
Never Fail Bush Lima...	.25	.35	.55	.20	.30	.50
Wood's Pro. Bush Lima..	.23	.35	.55	.20	.30	.50
Burpee's Giant Pole Lima	.23	.35	.55	.20	.30	.50
Carolina Pole Butter....	.18	.30	.50	.15	.25	.45
Calico Speck. Pole Butter	.18	.30	.55	.15	.25	.50
King Garden Pole Lima..	.18	.30	.55	.15	.25	.50
Large White Pole Lima..	.18	.30	.55	.15	.25	.50
Willow Leaf Pole Butter	.25	.35	.55	.20	.30	.50
Burger's Stringless Pole..	.18	.30	.50	.15	.25	.45
Kentucky Wonder.....	.18	.30	.50	.15	.25	.45
Kentucky Wonder Wax...	.18	.30	.55	.15	.25	.50
McCaslan Pole.....	.18	.30	.55	.15	.25	.50
Red Speckled Cutshort...	.18	.30	.55	.15	.25	.50
Southern Wh. Creaseback	.18	.30	.50	.15	.25	.45
Scotia or Cornfield.....	.18	.30	.50	.15	.25	.45

Quantity Prices for Truckers given on GREEN INK PRICE LIST enclosed.

Fifty thousand satisfied customers! Help us make it a hundred thousand. If you like us, tell your friends—we'll treat them right, too.

There are others whom you know that we should be selling—we will appreciate their names. Thank you.

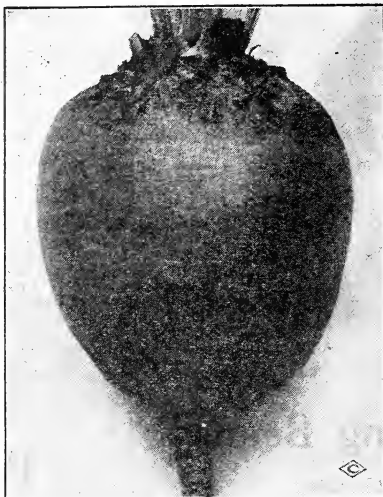
BEETS

Culture—for very early crop sow in hot-beds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium, early or late crop. Drills 2 to 3 feet apart. Use a light, clean, free deep soil. One ounce will sow 50 feet of drill.

Crosby's Early Egyptian Beet—Improved strain of the famous Early Egyptian, but producing a deeper or thicker root; of fine form, extremely early, deep red color, almost black; flesh sweet, smooth, tender and of exceptionally fine quality; can be depended on for best results when grown either in the garden or under glass; highly recommended as an early market variety.

Detroit Dark Blood Beet—This splendid second early variety we highly recommend for market and private gardens. Roots globular, very smooth, with short tops; skin blood-red, flesh dark blood-red, sweet, tender and delicious. The tops are small and upright in growth. Fine for market bunching.

R.-H. Co.'s Early Wonder Beet—The first beet on the market where it will command fancy prices; most perfect in shape and a beautiful red color. Superior to Crosby's Egyptian and one week earlier. R.-H. Co.'s Early Wonder Beet is the result of years of selection and the improving resulting, we believe, in the earliest and most handsome shaped beet on the market.



Detroit Dark Blood

MANGEL WURZELS AND SUGAR BEETS

Deep soil produces the largest crops. Sow in rows 18 inches to 2 feet apart, 1 inch deep, and when the plants are 3 or 4 inches high they should be thinned out 6 or 8 inches apart. Transplant when the ground is moist, pinch off the leaves about 2 inches above the root, and set the plants into the soil up to the crown. On good, deep soil 1,000 to 1,500 bushels per acre can be raised. Mangels make excellent feed for stock of all kinds.

Golden Tankard Mangel Beet—Yields enormous crops; very rich in sugar; skin and flesh deep orange-yellow; oblong in shape.

Mammoth Long Red Mangel Beet—Grows to an enormous size in deep, rich soil; is an excellent keeper. Various reports from our customers who have grown it show yields of 1,400 to 2,000 bushels per acre. Close-grained, tender flesh of rich flavor.



Golden Tankard Mangel Beet

INCREASE THE CORN CROP

By using Bayer's Dip Dust. 1 lb. treats 5 bushels seed corn, enough to plant 40 acres. It increases the yield from 5 to 8 bushels on every acre. See page 22 for further information.

BEET AND CARROT PRICES

Postpaid

	Pkt.	1 Oz.	¼ Lb.	1 Lb.
Crosby's Egyptian Beet.....	\$0.05	\$0.10	\$0.20	\$0.60
Detroit Blood Turnip Beet.....	.05	.10	.25	.65
Early Blood Turnip Beet.....	.05	.10	.20	.60
Eclipse Blood Turnip Beet.....	.05	.10	.20	.60
Edmonds Blood Turnip Beet.....	.05	.10	.20	.60
Extra Early Egyptian Beet.....	.05	.10	.25	.65
Long Smooth Blood Beet.....	.05	.10	.25	.75
R.-H. Co.'s Early Wonder Beet.....	.05	.10	.25	.65
Golden Tankard Mangel Beet.....	.05	.10	.15	.40
Mammoth Long Red Mangel Beet.....	.05	.10	.15	.40
Giant Feeding Sugar Beet.....	.05	.10	.20	.50
Klein Wanzleben Sugar Beet.....	.05	.10	.20	.50
Danver's Half-Long Carrot.....	.05	.15	.35	.90
Early Scarlet Horn Carrot.....	.05	.15	.30	.75
Half-Long Scarlet Chantenay.....	.05	.15	.35	.90
Improved Long Orange Carrot.....	.05	.10	.25	.70
Oxheart or Guerande Carrot.....	.05	.10	.25	.70
White Belgian Carrot.....	.05	.10	.25	.60

Select any six 5c packets or any three 10c packets for 25c and we will mail them. For Quantity Prices on Beet and Carrot Seed, see GREEN INK PRICE SHEET enclosed.

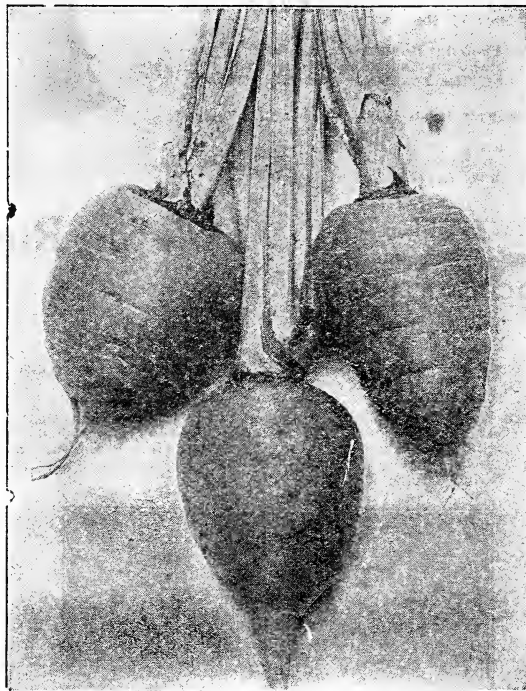
Carrots

Table CARROTS
in greatest demand

Culture—Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; 4 pounds to the acre.

Danver's Half-Long Carrot—An excellent table carrot of uniform size and shape—about 6 inches long, thick, and bluntly pointed at the end. The flesh is a rich orange color throughout, with a light orange center.

Half-Long Scarlet Chantenay Carrot—Very popular because of its productiveness and quality. The flesh is a beautiful deep



Oxheart

golden orange color. The texture is tender and fine grained.

Early Scarlet Horn—Very early, rather blunt rooted; color, orange-red.

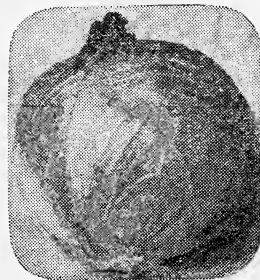
Oxheart—A short, chunky, early variety as thick through as it is long. Especially adapted for hard, stiff soil where longer varieties would not thrive.

Improved Long Orange—Long and tapering; deep orange.



Danver's Half Long

Cabbage



Charleston Wakefield

Culture—The plants are started in frame or seed bed, and afterwards transplanted. Seed for early cabbage may be started in autumn in a cold frame, or in early spring in a hot-bed. For main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May or June. Sow shallow; a packet will produce about 250 plants; an ounce 3,000 plants; ¼ pound for an acre. Set plants 1½ by 3 feet apart.

For insects spray with Evergreen or dust Slug Shot powders. They are non-poisonous.

Early Jersey Wakefield—The heads are extremely solid, pyramidal in shape and of most excellent quality, with little outside foliage. Its exceeding hardness makes it the most profitable early variety to grow for either market or home garden, as it always forms a fine solid head.

The Charleston or Large Jersey Wakefield—This famous variety has all the fine qualities of the Early Jersey Wakefield with heads



All Seasons Yellow Resistant

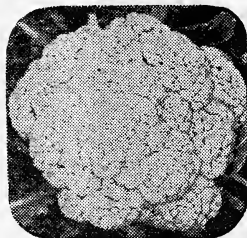
COLLARDS

Culture—One ounce of seed will produce about 2,000 plants. Sow in spring or summer. Use same methods as for Cabbage; either sow in seed beds or in the row where desired to stand. If sown in rows, thin out as desired.

Georgia White Cabbage—Called Cabbage Collard, on account of its close, bunching growth.

North Carolina Buncombe—Large spreading leaves; very hardy; good flavor.

Southern, or Georgia—This variety is the old time variety, and is by far the best; stands most any conditions, being very hardy.



Early Snowball Cauliflower



Culture—Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants.

Dry Weather—Adapted for growing in dry locations when other varieties fail. It produces large, solid heads.

Early Snowball—A sure header; large, solid, perfectly white and good quality.

CABBAGE PRICES

	Pkt.	Oz.	¼ Lb.	1 Lb.
Large Late Flat Dutch.....	\$0.05	\$0.20	\$0.55	\$1.50
Marion Market Yellow Resistant.....	.10	.75	2.00	6.00
Mammoth Red Rock.....	.10	.30	.70	2.00
R.-H. Co.'s Eureka.....	.10	.50	1.25	4.00
Succession.....	.05	.25	.60	1.60
Chinese Cabbage, Pe-Tsai.....	.05	.25	.60	2.00

CAULIFLOWER PRICES

Early Snowball.....	.10	1.25	3.75	12.00
Dry Weather.....	.10	1.25	3.75	12.00

COLLARD PRICES

Georgia White Cabbage.....	.05	.10	.25	.65
North Carolina Buncombe.....	.05	.10	.25	.65
Southern or Georgia.....	.05	.10	.20	.60

SPECIAL OFFER—Select any six 5c packets, or three 10c packets for 25c; any five 25c packets for \$1.00. We pay the postage.

See Green Ink List for quantity prices on Cabbage Seeds.

Early Jersey Wakefield—This famous variety has all the fine qualities of the Early Jersey Wakefield with heads much larger, but less pointed, and remarkably uniform in size and shape. It is a week or ten days later than Jersey Wakefield. Grown very extensively in the South and very popular with market gardeners and shippers.

YELLOW RESISTANT VARIETIES OF CABBAGE

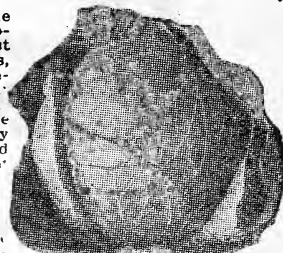
The three following varieties are resistant to the dreaded "yellows," the most destructive of all cabbage diseases. Sow disease resistant seed which is the only cure.

All Seasons Yellow Resistant—Solid flat heads, medium early, produces large size head, absolutely resistant to yellows.

All Head Select Yellow Resistant—Flat head type, medium in maturity, solid header, sure resistant to yellows.

Marion Market Yellow Resistant—Selected from Copenhagen Market, round head, short stem, early to mature; highly resistant to yellows.

Copenhagen Early Market—The earliest round head Cabbage, Copenhagen Market, is the largest of all the early round varieties, and as early as Charleston Wakefield, it matures so uniform that the entire crop is ready for cutting at one time. The heads are round, solid and of exceptionally good quality. Recommended highly for the home and market garden.



Copenhagen Early Market

Early Flat Dutch—This is widely grown variety of quick growth and early maturity. The fine solid heads are flat and measure 13 inches across and weigh from 10 to 12 pounds each.

CABBAGE PRICES

	Pkt.	Oz.	¼ Lb.	1 Lb.
All Seasons.....	\$0.05	\$0.20	\$0.55	\$1.50
All Seasons Yellow Resistant.....	.10	.50	1.25	3.50
All Head Early.....	.05	.20	.55	1.50
All Head Yellow Resistant.....	.10	.50	1.25	3.50
Charleston or Large Wakefield.....	.05	.25	.60	1.60
Copenhagen Early Market.....	.05	.50	.75	2.25
Early Drumhead.....	.05	.20	.50	1.40
Early Flat Dutch.....	.05	.20	.55	1.50
Early Jersey Wakefield.....	.05	.25	.60	1.60
Early Summer.....	.05	.20	.55	1.50
Golden Acre.....	.10	.40	1.00	3.25
Large Drumhead Savoy.....	.05	.25	.60	1.60
Large Late Drumhead.....	.05	.20	.55	1.50

WE RECOMMEND DUBAY SEED DISINFECTANTS

Treat all vegetable seeds with Semesan. All seed corn with Semesan Jr. All seed potatoes with Semesan Bel. Get better germination, better stands and better crops.

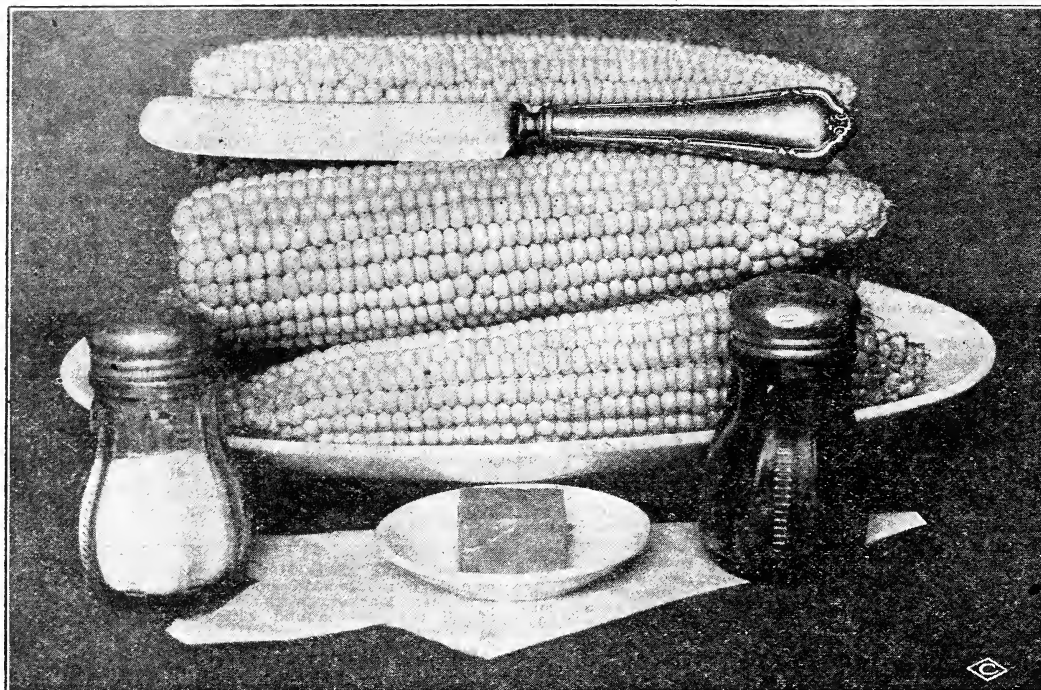
Do not fail to take advantage of these wonderful products. They are worth your trial.

Semesan Bel.....	4-oz. tin, 50c;	1-lb. tin, \$1.75
Semesan Jr.	4-oz. tin, 50c;	1-lb. tin, 1.75
Semesan.....	2-oz. tin, 50c;	½-lb. tin, 1.00
Ceresan, for all grain.....	8-oz. tin, 50c;	1-lb. tin, .75
Nugreen, for grasses.....	3-oz. tin, 50c;	1-lb. tin, 2.00
Bayer Dust, for corn.....	4-oz. tin, 50c;	1-lb. tin, 1.75
Dipdust, for small seeds.....	4-oz. tin, 50c;	1-lb. tin, 1.75

F. O. B. Memphis.
Complete descriptive circulars on request.

GARDEN AND SWEET CORN

CULTURE—For early market, plant the varieties on this page the latter part of March. Sugar Corn should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre.



Golden 60-Day Sweet Corn.

IMPROVED ADAMS

A fine variety, slightly larger than Early Adams, one week later. Sells well on account of size.

EXTRA EARLY ADAMS

Earliest white corn; small ear and stalk. Not a Sugar Corn, but is grown for early use. Ears short.

EARLY LARGE ADAMS

About a week later than Extra Early, has larger ears; small stalks.

GOLDEN SUNSHINE

Also an early variety of the Golden Bantam type, growing from 5 to 5½ feet high and producing ears 7 to 8 inches long with sweet luscious yellow grains, matures three to four days later than Golden Bantam.

GOLDEN 60-DAY SWEET CORN

This new introduction is a week earlier than the Golden Bantam. The stalks are 4 to 5 feet high, very stocky and vigorous. The ears average 6½ inches long, with 10 to 12 rows of bright golden grains, of sweet and delicious flavor. Especially desirable because of its extreme earliness.

NEW SWEET CORN 60-DAY MAKE GOOD

An eight row white corn, ears 7 inches long, but with a small short stalk, extremely early and of fine quality.

ELAM'S EARLY MARKET

This corn is positively one of the earliest of the very large eared Garden Corns; ears measure 10 to 12 inches. It matures in about 65 days. In color the ears are pure white; very luscious, tender and palatable. Two crops can be matured in a season with Elam's Early Market.

R.-H. CO.'S EARLY SURPRISE

Those who follow trucking for market should not overlook planting this remarkable early variety, although not classed among the varieties of Sugar, it is remarkably tender and de-

licious; it is also more hardy, and can be planted earlier than any other variety with perfect safety; the ears average from seven to eight inches in length and have twelve rows.

TRUCKER'S FAVORITE

For a second early corn to follow Adams Early, or for late-planting to mature early, this is a good sort. In addition to being a fine garden corn, it makes an excellent field corn to plant late.

SNOW FLAKE

Large size, very early; a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days.

GARDEN AND SWEET CORN PRICES

	Postpaid			Not Postpaid		
	½ Pt.	Pt.	Qt.	½ Pt.	Pt.	Qt.
Early Large Adams...	\$0.13	\$0.25	\$0.35	\$0.10	\$0.20	\$0.30
Elam's Early Market...	.13	.25	.35	.10	.20	.30
Extra Early Adams...	.13	.25	.35	.10	.20	.30
Golden Sunshine.....	.25	.40	.55	.20	.35	.50
Golden Sixty Day....	.28	.45	.65	.25	.40	.60
Improved Adams.....	.13	.25	.35	.10	.20	.30
Make Good 60 Day...	.28	.45	.65	.25	.40	.60
R.-H. Co.'s Early						
Surprise .....	.13	.25	.35	.10	.20	.30
Snowflake White....	.13	.25	.35	.10	.20	.30
Trucker's Favorite...	.13	.25	.35	.10	.20	.30

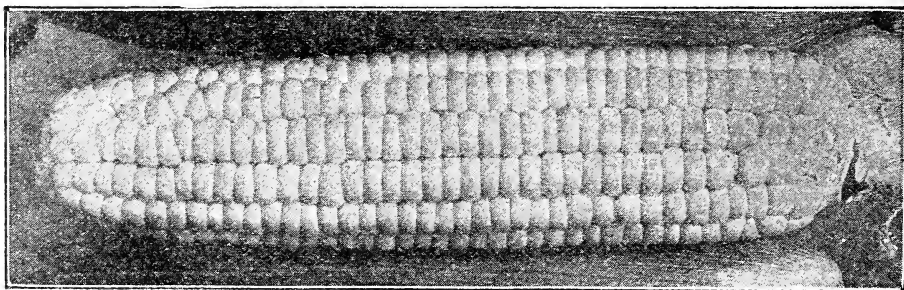
Quantity Prices: See Green Ink List enclosed for quantity prices on Garden and Sweet Corn.

TREAT GARDEN CORN WITH BAYER'S DIPPST

Permits earlier planting, gives better germination, better stands, therefore, larger yields.

Apply dry to the seed, no special equipment is needed for this new seed treatment. Costs less than 6c an acre, guaranteed, increases the yield from 10 to 12 percent. If it don't your money will be refunded.

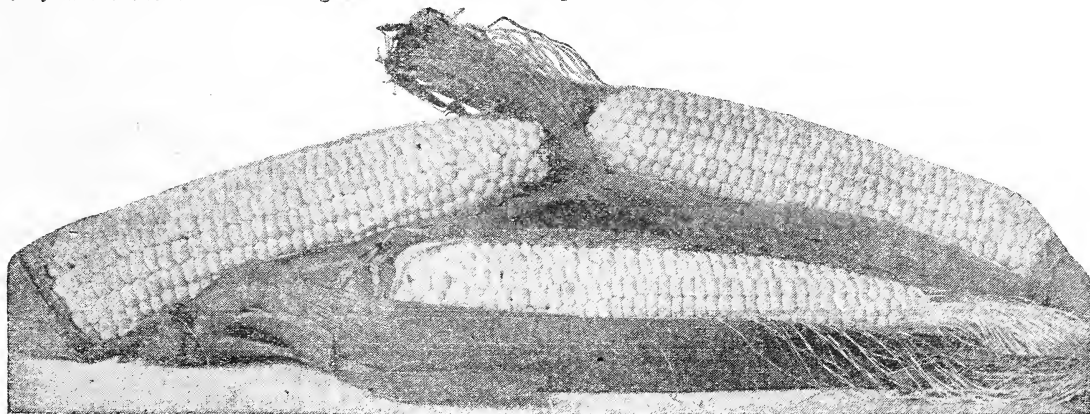
4-oz. pkg., 50c; 1-lb. pkg., \$1.75, 5 lbs., \$8.00. Not mailable.



Extra Early Adams

GARDEN AND SWEET CORN

CULTURE—For early market, plant the smooth or dent varieties the latter part of March. Sugar Corn should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre.



Howling Mob

BURBANK'S GOLDEN BANTAM

Larger and just as early as the original Golden Bantam; has deep broad luscious golden grains, ears 7 to 8 inches in length.

Borden's Wonder Bantam Sweet Corn—A selection from Golden Bantam, being larger and superior in every way.

Golden Bantam—Extra early, sweet, tender and delicious. Is becoming each year more popular because of its extreme early character, vigorous growth and delicious flavor; the stalks grow

to a height of four feet, and can be planted close together in the row. They bear two or three good small ears to the stalk.

HOWLING MOB

One of the finest second early, large eared sorts; ears 9 to 10 inches long; 16-rowed.

GOLDEN GIANT SWEET CORN

As good as Golden Bantam and very much larger. That sentence will describe Golden Giant to you in the best way.

ALL SEASON'S COLLECTION OF SWEET CORN

The following varieties when planted at the same time will produce a continuous supply of Sweet Corn of the finest quality.

Golden Sunshine—First Early.

Howling Mob—Second Early.

Stowell's Evergreen—Medium Early.

Mammoth Sugar—Late.

½ pint of each of above four varieties, 60c, postpaid. 1 pint of each of above four varieties, \$1.10, postpaid.

GOLDEN SHINGLE

This variety combines the size of ear of the Evergreen type with the color and delicious quality of the Golden Bantam. The ears are very large and mature nearly as early as the Golden Bantam. This is a fine variety for the market gardener on account of its good size, and, of course, the quality is there.

WHIPPEL'S EARLY YELLOW

An extra early yellow Sugar Corn. Larger and earlier than Golden Bantam. Stalks grow 5 to 6 feet and many produce two large ears. Kernels bright yellow, tender, sweet and finest quality. Whippell's Early Sugar Corn is ready for the table in about seven weeks.

WHIPPEL'S EARLY WHITE

Ready for use in 60 to 65 days after planting. It surpasses all other early Sweet Corns in quality. The ears are from 6 to 9 inches long, and contain 8 rows of pure white kernels, which are large and extra deep for an early corn. The stalks grow 5 to 6 feet high, can be planted more thickly than most varieties, and frequently produce two ears to the stalk.

STOWELL'S EVERGREEN

The standard and best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18 rowed, with deep, sweet grain.

MAMMOTH SUGAR

The Mammoth ears are thick through, with many rows of large, broad grains of excellent quality.

BLACK MEXICAN

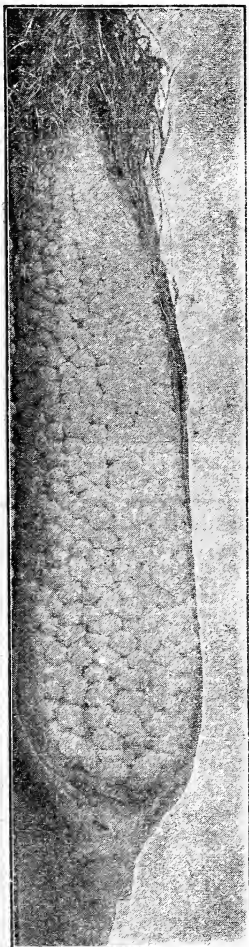
Well known and a favorite in a great many home gardens, the kernels having a decidedly bluish tinge when ready to eat, later turning black.

COUNTRY GENTLEMAN

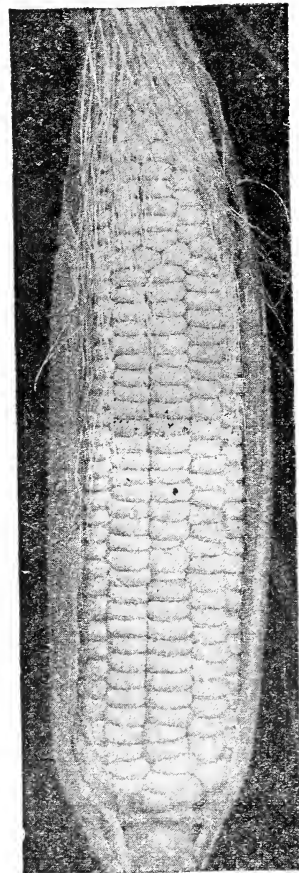
Small cob; long, slender, white grains, which are very sweet.

GARDEN AND SWEET CORN PRICES

	Postpaid			Not Postpaid			
	½ Pt.	Pt.	Qt.	½ Pt.	Pt.	Qt.	Gal.
Black Mexican.....	\$0.18	\$0.30	\$0.45	\$0.15	\$0.25	\$0.40	\$1.20
Borden's Wonder Bantam .....	.18	.30	.45	.15	.25	.40	1.20
Burbank's Golden Bantam .....	.25	.35	.55	.20	.30	.50	1.25
Country Gentleman.....	.18	.30	.45	.15	.25	.40	1.00
Golden Bantam.....	.18	.30	.45	.15	.25	.40	1.00
Golden Giant.....	.18	.30	.45	.15	.25	.40	1.00
Golden Shingle.....	.25	.40	.55	.20	.35	.50	1.50
Howling Mob.....	.18	.30	.45	.15	.25	.40	1.00
Mammoth Sugar.....	.18	.30	.45	.15	.25	.40	1.00
Stowell's Evergreen.....	.18	.30	.45	.15	.25	.40	1.00
Whippell's Early Yellow .....	.18	.30	.50	.15	.25	.45	1.29
Whippell's Early White .....	.18	.30	.50	.15	.25	.45	1.20
Quantity Prices: See Green Ink List enclosed for quantity prices on Garden and Sweet Corn.							



Country Gentleman



Stowell's Evergreen

CUCUMBERS

A LIST OF BEST VARIETIES

For early Cucumbers start seed in a hot-bed about the middle of April, placing a dozen seeds upon pieces of heavy sod, grass side down, or in soil in berry-boxes. When the weather will permit, these may be transplanted in the open ground. If the weather turns cold, they should be protected.

For main crop plant in hills about 5 feet apart each way, any time in June or early July. As soon as they are up, apply Hammond's Slug-Shot to kill the striped bugs.

Jersey Pickle—A favorite with pickle growers and commercial market gardeners; good for table use; very productive. Fruit small and uniform in size.



Jersey Pickle

EGGPLANT

Culture—Sow in February or March. When 2 inches high transplant in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

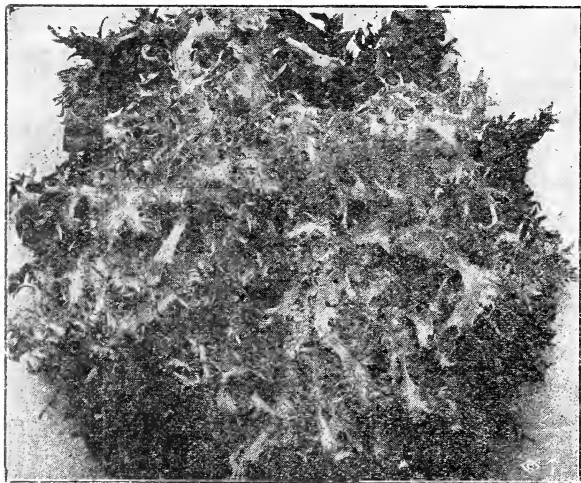
Black Beauty—This is the earliest and best of all large fruited Egg Plants. Fruits are thick and of the most attractive form. The skin is a rich, lustrous purplish black.

Florida High Bush—Stands heat well; the fruit is round, smooth and very large; color, bright purple.



Black Beauty

New York Improved Purple—The old standard variety.



Green Curled Endive

DANDELION

"Sow and cultivate the same as Endive. Makes early and very healthy spring greens."

DILL

"Used for seasoning and also for making Dill pickles."

ENDIVE

Culture—One ounce will sow 200 feet of drill. Sow about the middle of April, and for succession in June and July one foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

Green Curled—The hardest variety; beautifully curled.

Broad Leaved Batavia (Escarolle)—Leaves long and broad, thick and succulent. One of the choicest salads.

GARLIC

"Plant in spring or fall in rows, cultivate and harvest same as onions." ¼ lb., 20c; 1 lb., 50c; postpaid.

GOURDS

Dipper Gourds, Nest Egg Gourds, Sugar Trough, Dish Rag, or Luffa, Orange Gourds, Hercules Club. Pkt., 5c; oz., 25c; postpaid.

Chicago Pickling—An excellent variety, 6 inches long and 2½ inches in diameter. Very productive. Of uniform size, even shape, and rich color. Chicago Pickling is extensively grown for market.

Davis' Perfect—The fruits measure from 7 to 9 inches in length and their circumference is about 7 inches in the middle. They are slightly tapering at both ends, with a very rich dark green skin. The fruits are extremely handsome and sell very readily in the markets. The flesh is solid and of superb quality for slicing. It is thick, with a small seed cavity containing but few seeds.

Improved Long Green—A standard variety, 12 to 14 inches long, more or less warted. The young cucumbers make very fine pickles. The skin is rich green; flesh solid and crisp. It is a main crop variety of excellent quality.

Improved Early White Spine—An improved strain of the White Spine; good for forcing or outdoors.

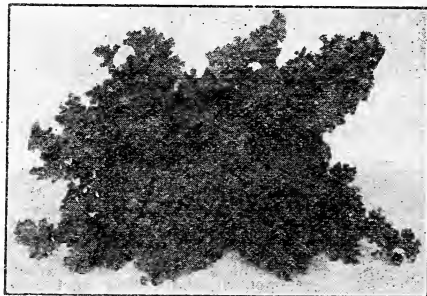
HERB SEED

	Pkt.	Oz.	Postpaid
Basil, Sweet—For flavoring soups.....	\$0.10	\$0.50	
Dill, Mammoth—Used for flavoring pickles.....	.05	.15	
Lavender—Used for its odor.....	.10	.30	
Marjoram, Sweet—Used in seasoning meats.....	.10	.40	
Rosemary—For seasoning meats and soups.....	.10	.70	
Savory, Summer—Used as a culinary herb.....	.10	.70	
Sage, Broad Leaved—A popular plant.....	.10	.50	
Thyme—Much used for seasoning.....	.10	.60	

KALE

Culture—Sow from 2 to 3 pounds to the acre, one ounce to 200 feet of drill. Sow in March or September in drills or broadcast.

Dwarf Green Curled—Leaves curled. The best variety for fall sowing. Stands all winter. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 60c; postpaid.



Dwarf Green Curled Kale

Tall Curled Scotch—A beautiful curled variety; fine for spring planting. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 75c; postpaid.

For quantity prices on Garden Seed see Green Ink List in back of book.

KOHL-RABI

Early White Vienna—This is the best and earliest variety for table use. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.25; postpaid.



Early White Vienna Kohl-Rabi

CUCUMBER, EGG PLANT, ENDIVE PRICES

	Pkt.	1 Oz.	¼ Lb.	1 Lb.
Chicago Pickle Cucumber.....	\$0.05	\$0.15	\$0.35	\$1.00
Davis' Perfect Cucumber.....	.05	.15	.40	1.25
Early Fortune Cucumber.....	.05	.15	.35	1.00
Early Green Cluster Cucumber.....	.05	.10	.35	.85
Extra Early Long Green Cucumber.....	.05	.15	.40	1.25
Evergreen White Spine Cucumber.....	.05	.15	.35	1.00
Everbearing Cucumber.....	.05	.15	.35	.90
Gherkin Cucumber.....	.05	.15	.40	1.25
Japanese Climbing Cucumber.....	.05	.15	.35	1.00
Jersey Pickle Cucumber.....	.05	.15	.35	1.00
Improved Long Green Cucumber.....	.05	.15	.40	1.25
Imp. Early White Spine Cucumber.....	.05	.15	.35	1.00
Staygreen Cucumber.....	.10	.15	.40	1.25
The Vaughan Cucumber.....	.10	.20	.60	2.00

	Pkt.	½ Oz.	1 Oz.	¼ Lb.	1 Lb.
Black Beauty Egg Plant.....	\$0.05	\$0.20	\$0.35	\$1.10	\$3.75
Florida High Bush Egg Plant.....	.05	.20	.40	1.20	4.00
N. Y. Imp. Purple Egg Plant.....	.05	.20	.35	1.10	3.75

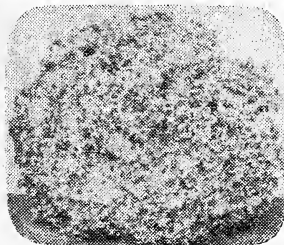
	Pkt.	½ Oz.	1 Oz.	¼ Lb.	1 Lb.
Broad Leaf Batavian Endive.....	.05	.10	.20	.40	1.20
Large Green Curled Endive.....	.05	.10	.20	.40	1.20
DANDELION, French.....	.10	.20	.35	1.20	3.25
DILL, Mammoth.....	.05	.10	.15	.35	.90

SPECIAL OFFER—Selecting any six 5c size packets for 25c; postpaid. Selecting any four 15c size packets for 50c; postpaid.

Lettuce

Culture—One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession. Sow seed in drills 18 inches apart, thin to 6 inches apart in the row; if large heads are desired thin to ten or twelve inches.

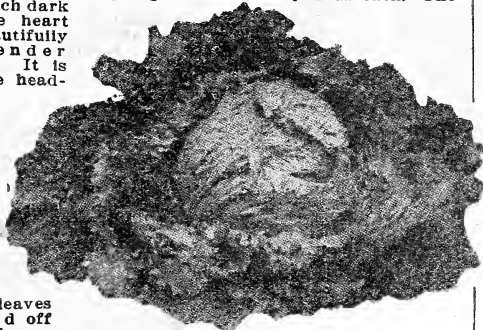
Big Boston—A very popular variety for Market Gardeners. It heads well in the open ground during cool weather in spring and fall and is grown very extensively in the South for shipping north during the winter. It is also a fine forcing variety for cold-frames during the winter months. Our strain is very hardy, sure to head and produces solid heads of large size, often 10 to 12 inches across, which are slow to go to seed. The leaves are thin, hard and crisp, comparatively smooth but wavy at the edges and are of bright light green color, slightly tinged with reddish brown. The inner head blanches to an attractive greenish-white.



Prizehead Lettuce

the largest varieties grown, producing heads more than 15 inches in diameter and weighing more than 2 pounds each. The outer color is rich dark green, but the heart blanches beautifully and is crisp, tender and delicious. It is reliable, a sure header, and is slow to go to seed.

Chicken Lettuce—Here is a genuine Lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When once cut, it starts to grow again. The leaves can be pulled off each stem like a kale. Chicken Let-



New York Wonderful Lettuce

tuce does not make a head, but sends up a stout stalk three or four feet high, just loaded with leaves.

Black Seeded Simpson—One of the best, either for forcing under glass or for open ground culture. It forms large, thin, loose leaves of light green color, very tender, crisp and of fine quality. A fine sort for summer, as it withstands the heat; also for the home garden.

LEEK

Belongs to onion family. Sow as early as the ground can be worked in spring, in rows one foot apart. Cover seed about one inch deep. When plants are about six inches high transplant in rows six inches apart; plant as deep as possible that the neck being covered may be blanched.

Large London Flag—A strong-growing variety, producing large thick stems which have a sweet flavor. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.25; postpaid.

PERFECT PLANT LABELS

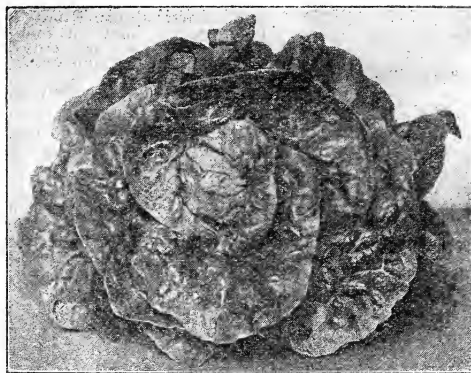
For marking plants in rows; indestructible.

Marks them plain, and they stay marked.

Doz., \$1.00; 100, \$7.50.



American Flag Leek



Big Boston Lettuce

All Seasons—One of the best head lettuce; stands the hot midsummer sun without burning. Heads are very solid, large and of a most desirable light green color.

California Cream Butter—Dark green, round thick leaves forming a very solid round head which stands a long time without running to seed. Outer leaves spotted brown, inner ones blanched to a rich yellow. Exceedingly rich, buttery, sweet and nutty in flavor.

Cos or Romaine—Forms large, light green, well-folded heads of upright growth and popular for its crispness and mild flavor.

Early Curled Simpson—Makes a curly loose head; crisp and tender.

Large White Cabbage—Forms a compact head; has no core, but a tender, golden heart. As a shipper it is unexcelled, commands the very best prices; demand always exceeds the supply. It resists the cold withstands the summer heat, always has a crisp, mild flavor, when open it becomes a table ornament.

May King—A very early heading variety. The outer leaves are green, just tinged with brown; they fold close, permitting close planting in frames—tender, yellow heart.

Mignonette—Small, solid heading; never fails. The flavor is fine and the leaves crisp.

New Iceberg—Quick growing and of exquisite flavor. The large curly leaves which cover the outside of the solid head are of bright, light green, with a slight reddish tinge on the edges.

Fertilizers for Lettuce—To grow the best tender Lettuce it is advisable to have a very rich, friable soil. The quality of this vegetable is largely dependent upon the rapidity with which it is grown, therefore liberal manuring and thorough preparation are profitable. We recommend for this purpose Swift's VIGORO or Sulphate of Ammonia.

QUANTITY PRICES—For quantity prices on Lettuce Seed see Green Ink List in back of book.

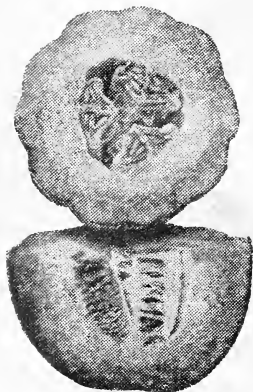
	LETTUCE PRICES				Postpaid	
	Pkt.	½ Oz.	1 Oz.	¼ Lb.	1 Lb.	
All Seasons Lettuce.....	\$0.05	\$0.10	\$0.20	\$0.40	\$1.25	
Big Boston Lettuce.....	.05	.10	.20	.40	1.10	
Black Seeded Simpson.....	.05	.10	.15	.35	1.00	
California Cream Butter.....	.05	.10	.15	.35	1.00	
Cos or Romaine.....	.05	.10	.20	.40	1.10	
Early Curled Simpson.....	.05	.10	.15	.35	1.00	
Improved Hanson.....	.05	.10	.15	.35	1.00	
May King Lettuce.....	.05	.10	.15	.35	1.00	
Mignonette.....	.05	.20	.20	.50	1.50	
New York or Wonderful.....	.05	.15	.25	.50	1.50	
Large White Cabbage Head..	.05	.10	.15	.35	1.00	
Iceberg.....	.05	.10	.25	.50	1.50	
Prizehead.....	.05	.10	.15	.35	1.00	
Wayhead.....	.05	.10	.15	.35	1.00	
Chicken Lettuce.....	.05	.10	.20	.40	1.25	

FENNEL (Finocchio)

A delicious vegetable which should be more largely grown in this country. It is extensively used in Italy as a salad, and also may be served boiled. Agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Pkt., 10c; 1 oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; postpaid.

Muskmelons or Cantaloupes

The Melon, like the Cucumber, delights in rich, sandy soil, but grows nearer to perfection in the South than in the North, owing to a drier atmosphere. It should, however, never be cultivated in the vicinity of Cucumbers, Squashes, Gourds, or Pumpkins, as it will invariably become impregnated with them and produce fruit of an inferior quality. Sow about the last of spring or early summer, in hills of light, rich soil, 4 feet apart, allowing but three plants to grow in each hill; after they have grown about a foot long, pinch off the points of shoots, which causes the vines not only to become stronger, but makes them produce lateral branches, and prove more productive and matures the crop earlier.



Lake Champlain

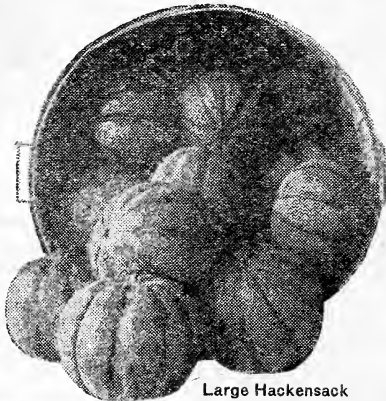
Lake Champlain—Very early, and brings in the money before other kinds start ripening. The melons are of good size, ribbed, skin dark green overlaid with heavy netting, giving them an attractive appearance. The flesh is a rich golden color, free from stringiness, fine grained, melting, juicy, sweet, delicious flavor clear to the rind.

Acme, or Baltimore—One of the best of Cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green.

Banana—Long shaped like a banana; has a most delicious flavor.

Early Green Nutmeg—An early variety of medium to a small size; nutmeg in shape and thickly netted.

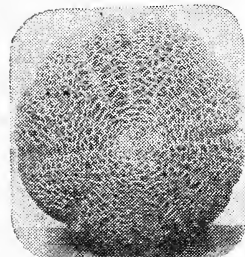
Long Yellow Cantaloupe—Fruit oblong, over 12 inches in length, broad and heavy ribs, flesh a light green and of good quality. A very large melon, in fact, one of the very largest; considered one of the very best of the late maturing sorts.



Large Hackensack

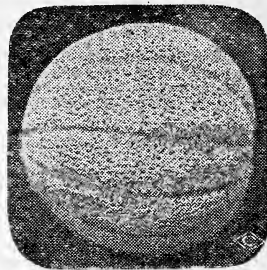
Hale's Best—This strain represents the highest possible attainment in Cantaloupe development. It is undoubtedly the heaviest meated melon of the Rocky Ford type. It produces melons of uniform standard size, 90 per cent of which are completely covered with a beautiful gray, lace-like netting which with the small seed cavity, are the most essential points in carrying and keeping qualities of the Cantaloupe. The flesh is green, tinged with a delicate salmon pink around the seed cavity, which is the smallest of any strain of Rocky Ford. The flesh is firm but not tough or stringy, and has a sweet, luscious, melting and superb flavor.

Honey Ball—A little larger than Rocky Ford, is as round as a ball, has thick green flesh, and therefore a small seed cavity. Honey Ball is quite early, enormously productive, and has a flavor and sweetness which will add greatly to its popularity. The vine is vigorous and is more resistant to blight and sun scald than other varieties.



Hale's Best Muskmelon

Honey Dew—A splendid variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. The average size is about 6 inches in diameter and they weigh five to six pounds. The skin is smooth with little netting.



Hearts of Gold Muskmelon

Hearts of Gold—Medium size, round, heavily netted, flesh very thick, of rich orange color, handsome appearance, and of the sweetest flavor. Average size of melon 6 to 8 inches in diameter. Matures in 75 days. The seed cavity is small and the rind is very tough, making it a good shipper.

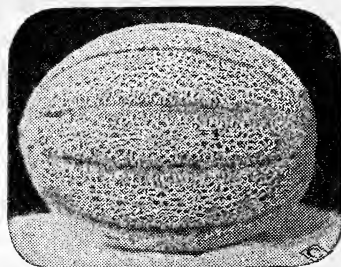
Pink Meat Rocky Ford—This is an early melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint, shading to green near the rind.

Rocky Ford—One of the most popular. Just right size for restaurant and hotel service; flesh is green, thick, and lusciously sweet. It is netted and ribbed and ripens early.

Mammoth Rocky Ford—The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for market.

Large Hackensack—A very popular variety which attains a large size, is round in shape and flattened at the ends; skin green and thickly netted; the flesh also is green, rich and sugary in flavor.

Emerald Gem—This is well named; it is really an emerald among the many varieties which are now cultivated; skin a dark green emerald color and quite smooth, flesh salmon, and of sweet and delicious flavor. One of the best for the home garden.



Mammoth Rocky Ford

MELON PESTS—Watch out for the cut worms, aphids and blight. Use Paris Green mixed with bran for cut worms; Black Leaf 40 for aphids and Bordeaux Mixture for blight.

QUANTITY PRICES—For quantity prices on Musk Melon see Green Ink List in back of book.

Mustard

Culture—Sow from February to April or September and October; broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.

Chinese Mammoth—An excellent sort with very large, light green, plain or comparatively smooth leaves, borne well above the ground.

Southern Giant Curled—Leaves are large, light green with yellowish tinge, much crimped and frilled at the edges. Very succulent, pungent and of sweet flavor.

Florida Broad Leaf—Produces large, light green, broad, smooth leaves well above the ground. Plants grow quickly; upright when young, and spread out with age. More easily prepared for the table than the curled sorts.

White London—Leaves smooth and deeply cut, color dark green.

CANTALOUPE AND MUSKMELON PRICES

	Pkt.	Postpaid		
		Oz.	1/4 Lb.	1 Lb.
Acme or Baltimore	\$.05	\$0.10	\$0.30	\$1.00
Banana	.05	.15	.35	1.25
Emerald Gem	.05	.15	.35	1.25
Early Green Nutmeg	.05	.10	.30	.90
Hale's Best	.05	.15	.35	1.25
Hearts of Gold	.05	.15	.30	1.00
Honey Ball	.05	.20	.50	1.75
Honey Dew	.05	.15	.35	1.25
Lake Champlain	.05	.15	.40	1.40
Large Hackensack	.05	.15	.35	1.25
Long Yellow Cantaloupe	.05	.10	.30	.90
Mammoth Rocky Ford	.05	.15	.40	1.25
Osage Gem	.05	.15	.35	1.00
Pink Meat Rocky Ford	.05	.15	.35	1.00
Rocky Ford Select	.05	.15	.30	.90
Tip Top Nutmeg	.05	.15	.35	1.00

MUSTARD PRICES

Chinese Mammoth	.05	.10	.15	.45
Florida Broad Leaf	.05	.10	.25	.65
Elephant Ear	.05	.10	.20	.50
Ostrich Plume	.05	.10	.15	.45
Southern Giant Curled	.05	.10	.15	.40
White London	.05	.10	.15	.40

Quantity Price List for Truckers and Large Buyers given on Green Ink Price Sheet enclosed.

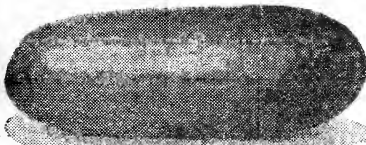
Watermelons

Rich, rather sandy soils produce the finest crops of Watermelons, but a well-drained loam, especially with a southern exposure, is also suitable. Two shovelfuls of well-decomposed manure should be mixed with the soil of each hill. Watermelons should not be planted until the weather is quite warm. The plants grow vigorously and for this reason the hills should be about 6 to 8 feet apart. Place 6 to 8 seeds edgewise, with the eyes downward, in a circle in each hill, and cover $\frac{1}{2}$ inch deep with fine soil. One ounce will plant 20 to 25 hills; 4 to 5 pounds per acre.

WATERMELONS

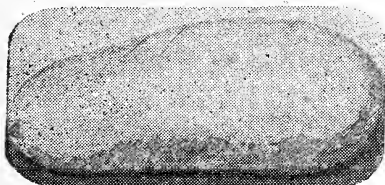
Stone Mountain—Originated in Georgia near the famous Stone Mountain, after which it takes its name. The melon grows very large, almost round, sometimes weighing as high as 70 pounds. Rind is light green, flesh deep red, sweet and of delicious flavor. You will be delighted with the quality of Stone Mountain—be sure to try them.

Tom Watson—Long, green and very prolific. The melons are uniformly large, running from 30 pounds to 40 pounds. The flesh scarlet, of extra fineness and sweetness.



Tom Watson

Thurmond Grey Watermelon—A remarkably new delicious grower, a big money maker, and supreme satisfaction to all who grow it. The flesh is bright sparkling red, the flavor is deliciously sweet and satisfying.



Irish Gray Watermelon

Irish Grey—Rind greenish gray in color, thin but very tough, hence a good shipper. Flesh is beautiful red and free from stringiness. Shape and size similar to Tom Watson.

SCHLOCHLER

A southern melon of recent introduction, grows to very large size; one of the biggest melons. They will average forty pounds each. The fruit is very dark green with an indistinct stripe and is very uniform in shape. Flesh bright red, sweet and crisp. The grower claims the Schlochler melon will stand more drought than any other melon and is a sure producer.

Halbert Honey—The melons average 18 to 20 inches long and are full or bluntly rounded at both ends. The skin is a dark glossy green. The flesh is a beautiful crimson, the rich coloring and luscious quality extending to the thin rind.



R-H. Co.'s Big Boy Watermelon

R-H. Co.'s Big Boy—In size, the biggest that grows. Melons average 60 pounds. Some weigh 100 pounds. Oval in shape, dark mottled green rind with dark red flesh that is very sweet.

Kleckley's Sweet—Flesh is bright scarlet, with solid heart, deliciously crisp, sugary and splendid in every way. The melons average from 18 to 20 inches in length by 10 to 12 inches in diameter; most desirable for the home garden.

Extra Kleckley Sweet—An extra selected stock.

Florida Favorite—Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light color.

For quantity prices on Watermelons see Green Ink List in back of book.

SAVE MONEY

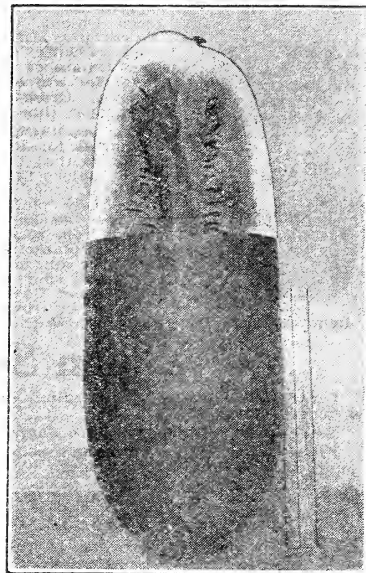
When you make out your general list of seed, be sure to include insecticides and sprayers. Remember, when insects appear on your crop, you will need insecticides; then delay getting the remedy may cost you ten times the cost of your purchase.

Black Diamond—Immense in size, and grows to average 70 to 90 pounds; rich dark green, uniform, round to oval shape; flesh deep red, of fine quality.

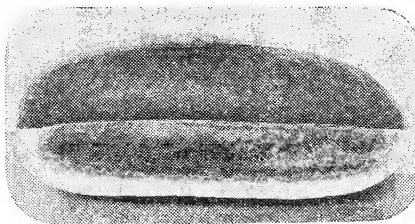
New Wonder—Has every good point that a melon should have and, so far, has shown no bad points. It is uniformly large and long in shape, resembling Kleckley's Sweet, but is thicker, more solid and heavier. Every bit of the brilliant red flesh is

sweet to the rind; it is free from core and strings. The rind is thin, yet sufficiently tough to stand safe shipment for reasonable distances.

The melons are a dark glossy green and the seeds are white and comparatively few to the melon. It is a remarkable profit-maker in repeat sales. Commission merchants and dealers want it and customers will pass up other good sorts when the Wonder Melon is on the market.



Kleckley Sweet Watermelon



New Wonder

WATERMELON PRICES

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	1 Lb.
Black Diamond Watermelon.....	\$0.05	\$0.15	\$0.30	\$0.80
Cole's Early .....	.05	.15	.35	.85
Excel .....	.05	.15	.30	.80
Florida Favorite .....	.05	.15	.25	.75
Golden Honey .....	.05	.15	.30	.80
Georgia Rattlesnake .....	.05	.15	.25	.75
Halbert Honey .....	.05	.15	.35	1.00
Harris' Earliest .....	.05	.15	.35	.85
Kleckley's Sweet .....	.05	.20	.40	1.25
Kleckley Sweet, Extra Special.....	.10	.25	.50	1.50
Irish Grey .....	.05	.15	.35	1.00

Special Quantity Price List for Large Buyers given on Green Ink Price Sheet enclosed.

WATERMELON PRICES

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	1 Lb.
New Wonder Watermelon	\$0.05	\$0.15	\$0.40	\$1.25
R-H. Co.'s Big Boy Watermelon.....	.10	.25	.75	2.50
Stone Mountain Watermelon .....	.10	.25	.70	2.25
Schlochler Watermelon .....	.10	.25	.60	2.00
Thurmond Grey Watermelon .....	.05	.15	.35	1.00
Tom Watson Watermelon .....	.05	.15	.35	1.00
Tom Watson Extra Watermelon.....	.10	.20	.50	1.50

SPECIAL OFFER—Select any six 5c packets or two 15c packets for 25c postpaid. Select any thirteen 5c packets or five 15c packets for 50c postpaid.

TOP NOTCH WATERMELON COLLECTION FOR ONLY 60c POSTPAID

One ounce Irish Grey, one ounce Kleckley Sweet, one ounce Florida Favorite, one ounce Stone Mountain, one ounce Tom Watson. Five varieties, one ounce each, for only 60c, postpaid.

BERMUDA ONION PLANTS

For Your Home Garden

Grow your own first young table Onions from Bermuda Onion Plants. The plants are grown in Texas from the finest strains of Bermuda Onion Seed—are perfectly hardy, easy to grow and produce the finest mild flavored young Onions in the shortest

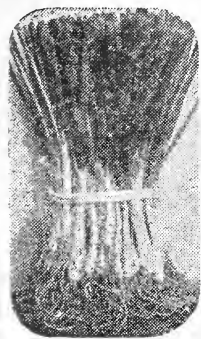


possible time. We ship them in bundles of 100 plants, all ready to set out, guaranteed to reach you in proper growing condition. Use them as green Onions, or let them develop to creaming size. If allowed to continue growing, they will make good sized Onions of the finest mild sweet flavor for which Bermuda Onions are famous. Orders will be shipped at the proper time for setting out.

The popularity of Onion plants is accounted for in several ways. One reason is that they produce so much larger Onions than the average Onion produced from sets. Onions raised from these plants mature from two to three weeks earlier than those raised from sets.

These plants are perfectly hardy, set them out in February, March or April, and they will make fine, large, mild, sweet flavored Onions.

Plant in rows about 15 inches Bermuda Onion Plants apart, and 3 to 4 inches in the rows.

**Onion Seed**

Large Red Wethersfield—Medium early; skin is purplish red; general favorite.

Yellow Globe Danvers—Globe shaped; large.

Prize Taker—Very large and solid; skin rich yellow; flesh pure white, sweet, mild, tender.

Okra

Culture—One ounce will plant 100 hills. Sow about the first of May, in drills 3 feet apart, and thin out the plants to one foot apart. Soak seed in water 12 hours—they germinate easier.

Early Dwarf Green—Extra early, productive. Plants are more dwarf in habit of growth than those of other varieties. Pods short, deep green, tender and of good quality.

Dwarf Stalk Long Green—Very prolific, requires little space in the garden on account of its dwarf habit. When picked this new Okra is very tender and of best flavor, pods long, dark green and attractive.

White Velvet—Very productive, producing smooth, white pods unlike other varieties.



White Velvet Okra

OKRA PRICES

Postpaid

	Pkt.	Oz.	¼ Lb.	1 Lb.
Dwarf Stalk Long Green.....	\$0.10	\$0.15	\$0.25	\$0.75
Early Dwarf Green .....	.05	.10	.20	.50
Tall or Long Green.....	.05	.10	.20	.50
White Velvet05	.10	.20	.45

PARSNIP PRICES

Sugar or Hollow Crown.....	.05	.10	.25	.70
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ONION SET PRICES

	Qt.	Gal.	Peck
Australian Brown	\$0.18	\$0.60	\$1.00
Red Wethersfield18	.60	1.00
White Silver Skin .....	.20	.70	1.20
Yellow Globe Danvers .....	.18	.60	1.00
White Multiplier .....	.25	.90	1.40

Quantity Price List on Onion Sets given on Green Ink Price Sheet enclosed. All prices on Onion Sets are subject to important market fluctuations.

YELLOW BERMUDA ONION PLANTS

Prices, postpaid, 100, 25c; 500, 75c; 1,000, \$1.25. Prices not prepaid, from Memphis, 100, 15c; 500, 50c; 1,000, \$1.00; per crate, 6,000 plants, \$4.50.

Price F. O. B. growing station, per crate of 6,000 plants, \$3.50. Larger quantities at special prices.

CRYSTAL WHITE WAX BERMUDA ONION PLANTS

Prices, postpaid, 100, 30c; 500, \$1.00; 1,000, \$1.50. Not prepaid, 100, 20c; 500, 75c; 1,000, \$1.25. Per crate, 6,000 plants, \$4.50.

Price, F. O. B. growing station, per crate, 6,000 plants, \$3.60.

To Grow
Large Onions
Fertilize with
VIGORO



Crystal White Wax Bermuda Onions

Culture—Sow in January or February in hot-beds. Transplant to 12-inch rows, 5 inches apart.

Yellow or Straw Colored Bermuda—The standard variety. It is light yellow or straw color, flat in shape, growing 3 to 4 inches in diameter, very sweet and mild. (Teneriffe grown.)

PARSLEY

Culture—Soak seed in water for a few hours and sow in rich soil early in spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 or 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in September.

Champion Moss Curled—A vigorous, compact sort, very fine for garnishing and flavoring. Owing to its uniformly deep green color and attractive foliage, it is one of the best for either market or home use. Densely crimped and curled.

Double Curled—A standard dwarf variety having deeply cut and beautifully curled leaves. A very fine sort, largely grown by gardeners for market.

PARSNIPS

Culture—Sow the seed in early spring, ¼ of an inch deep, in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row. One ounce of seed for 100 feet of row; 5 pounds of seed required for an acre.

Sugar, or Hollow Crown—The Hollow Crown is probably grown more universally than any other Parsnip. Roots white, smooth, sugary and of excellent flavor, easily harvested, 12 to 15 inches in length and often 3 inches in diameter at the top, with a hollow crown about the stem.



Sugar or Hollow Crown Parsnip

ONION SEED PRICES

Postpaid

	Pkt.	Oz.	¼ Lb.	1 Lb.
Australian Brown	\$0.05	\$0.20	\$0.50	\$1.50
Crystal White Wax Bermuda.....	.10	.30	1.00	3.50
Ebenezer .....	.05	.20	.60	1.75
Large Red Globe .....	.05	.20	.60	1.75
Prizetaker .....	.05	.20	.50	1.50
Red Italian .....	.10	.35	1.25	4.50
Red Wethersfield .....	.05	.20	.50	1.50
Southport White Globe.....	.05	.25	.75	2.25
White or Silver Skin.....	.05	.25	.70	2.00
Yellow Globe Danvers .....	.05	.20	.50	1.40
Yellow Bermuda .....	.10	.25	.75	2.50

PARSLEY PRICES

Champion Moss Curled Parsley.....	.05	.10	.25	.80
Double Curled Parsley .....	.05	.10	.25	.90
Plain or Single Parsley .....	.05	.10	.25	.90

Quantity Prices for Large Buyers given on Green Ink Price Sheet enclosed.

Russell-Heckle's Garden Peas



Culture—The Pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later. Sow Peas in drills 2 to 3 inches deep, in rows 2½ to 3½ feet apart. One quart will sow 100 feet of drill. All wrinkled varieties are marked (*). These should not be planted until March.



R.-H. Co's Early Alaska—This is the earliest blue variety in cultivation; the dark green color of its pod makes it a desirable shipping variety, as it will carry long distances without losing color; this quality, combined with its extreme earliness, recommends it very highly to the market gardener; height 2½ feet; is also the most popular variety for canning, being almost exclusively used for that purpose by the largest canning establishments.



Alaska Peas



Laxtonian

Laxtonian*—18 inches. The largest podded of the dwarf wrinkle peas. A splendid new variety, becoming a favorite with those who grow for the market or for the home garden. Might be called dwarf Gradus. The peas have the same delicate flavor of that variety. Laxtonian matures earlier and is very prolific. If you have not grown this pea, try it this season.

Little Marvel*—This Pea has been rightly named. It is an early wrinkled Pea, grows about 12 to 15 inches tall, and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Pod dark green, 3 inches long, round with square end and often contain seven rich, dark green peas. Little Marvel outsells American Wonder and Nott's Excelsior. Looks like it's the best in its class.



Little Marvel

World's Record*—One of the very finest of the large podded, dwarf Peas, on the order of Laxtonian, though somewhat earlier. Height 15 inches. Vine and foliage stout, heavy and dark green; pods 3½ inches long, containing 6 to 8 large, dark green peas of superb quality.

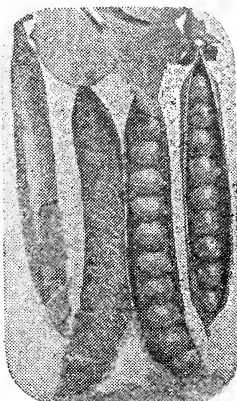
Alderman*—Pods very large, and of a dark green color. Height 4 feet. Quite late.

INOCULATION PAYS

Hastens maturity, increases the yield and enriches the soil. Once tried on garden peas it will always be used. It is not an expense, but an investment. Price, Garden Size, 35c, prepaid.

New Hundredfold*—Early, Dwarf, Large Pods. This new wrinkled variety means perfection in dwarf Peas. Hundredfold is the best flavored and the largest podded dwarf-growing sort in existence. It is ready about three days after the earliest sorts, and bears an enormous crop of handsome, dark green, fairly broad and pointed pods, four inches long, containing about eight large, dark green peas of excellent quality. The vines are 16 inches high, sturdy, and resist heat well.

Telephone*—The vines are tall, about 4 feet high, producing an abundance of pointed pods of largest size, often 4½ to 5 inches long, filled with very large peas, which are tender and sweet.



New Hundredfold

American Wonder*—A dwarf, early wrinkled sort; pods short but well filled, quality excellent. Height 1 foot.

Laxton's Progress*—The earliest large podded dwarf wrinkled Pea, an improvement on Laxtonian and four days earlier. Pods are 4 inches long, broad and pointed, deep green in color, containing eight large deep green peas, which are of the most delicious flavor.

Bliss Everbearing*—A good variety that continues in bearing a long time. A general favorite. Height, 3 feet.

Champion of England*—It grows 4 to 5 feet high and requires support, and a large crop production more than repays any extra labor required.

Gradus or Prosperity*—Ripens early; vines about three feet high; bears profusely. The pods almost as large as those of Telephone.

Fifty thousand satisfied customers. Help us make it a hundred thousand. If you like us, tell your friends — we'll treat them right, too.

There are others whom you know that we should be selling — we will appreciate their names. Thank you.

McLean Little Gem*—Hardy, prolific, uniform in habit of growth. Pods medium size and well filled. Medium early. Height 18 inches.

Nott's Excelsior*—A medium early wrinkled sort of dwarf habit. Pods are numerous and well filled, being quite broad. Height, 14 inches.

Thomas Laxton*—Large podded, extra early Pea. This fine early Pea was raised by crossing Gradus with the Alaska. In earliness the Thomas Laxton is only two or three days behind the Alaska, but the pods are very much larger, containing on the average seven or eight large, sweet, wrinkled peas of the very richest flavor. The vines attain a height of from 3 to 3½ feet. It is of harder constitution than the Gradus, and is earlier and of darker colored pod. In flavor this pea is unsurpassed.



Thos. Laxton Peas

GARDEN PEA PRICES

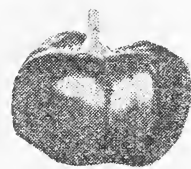
	Postpaid			Not Postpaid		
	½ Pt.	Pt.	Qt.	½ Pt.	Pt.	Qt. Gal.
Alaska Ex. Early.....	\$0.18	\$0.25	\$0.45	\$0.15	\$0.20	\$0.40 \$1.00
Ameer .....	.18	.30	.55	.15	.25	.50 1.25
American Wonder....	.18	.30	.55	.15	.25	.50 1.40
Bliss Everbearing....	.18	.30	.55	.15	.25	.50 1.40
Champion of England ..	.18	.30	.50	.15	.25	.45 1.25
Gradus or Prosperity ..	.18	.30	.50	.15	.25	.45 1.35
Hundredfold .....	.25	.40	.60	.20	.35	.55 1.75
Laxtonian .....	.18	.30	.55	.15	.25	.50 1.40
Laxton's Progress.....	.23	.40	.60	.20	.35	.55 1.50
Large W. Marrowfat ..	.18	.25	.45	.15	.20	.40 1.00
Little Marvel .....	.18	.35	.60	.15	.30	.55 1.50
Mam. Melting Sugar ..	.23	.40	.65	.20	.35	.60 2.00
McLean's Little Gem ..	.18	.35	.55	.15	.30	.50 1.40
Nott's Excelsior.....	.18	.35	.55	.15	.30	.50 1.40
R.-H. Co's 1st of All ..	.23	.40	.60	.20	.35	.55 1.50
Telephone .....	.18	.30	.50	.15	.25	.45 1.35
Thos. Laxton.....	.18	.30	.55	.15	.25	.50 1.40

Quantity Prices for Truckers and Gardeners given on Green Ink Price Sheet enclosed.

Be sure to inoculate this crop with R.-H. Co's Culture.

PEPPERS

Culture—Sow early in spring in a hot-bed in shallow drills 6 inches apart. In order to make strong, healthy plants, they should be transplanted, when a few inches high, into another bed, or sow in a warm spot of the garden about the middle of spring and transplant them, when 2 inches high, in rows $2\frac{1}{2}$ feet apart and 2 feet in the rows. The Pepper delights in a rich soil.



California Wonder

Bell or Bull Nose—A large early sort of mild flavor. Fruits are large.

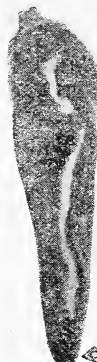
California Wonder—A giant podded sweet Pepper, maturing very early, similar in shape to Bull Nose, but much larger and flesh thicker, deep green when young and a rich red when ripe, flavor mild. One of the best sorts for salad and large mangoes.

Chinese Giant—This variety is one of the largest and finest Peppers. The plant is about 2 feet high, of strong, vigorous growth, stocky and erect in habit. The fruit is well shown in our illustration, is quite square, average 4 inches in diameter, and is of a bright, glossy scarlet when ripe. The flesh is usually thick and very mild.

Harris Early Giant—Earliest of all large-fruited sorts. A very large sweet Pepper, producing good crops. The plants are of vigorous growth and covered with enormous Peppers about 4 inches high and 3 inches through. The Peppers are deep green, turning to brilliant red with thick flesh, sweet, pleasant flavor. A very valuable Pepper for the home garden and profitable for market.



Harris Early Giant



Long Red Cayenne

Long Red Cayenne—A well known medium early variety, with extremely strong and pungent flesh. Bears long slender twisted pods, bright red when ripe.

R.-H. Co.'s Thick Long Red—A great improvement on the ordinary Long Red Cayenne. Pods of about the same length, but much thicker. The flesh is fully double the thickness. Exceedingly prolific; are very hot and have handsome bright red pods.

Ruby Giant—Similar to Ruby King. The fruit growing somewhat larger and are a little broader at the base.

World Beater—Said to be a cross between Ruby King and Chinese Giant. The shape is like Ruby King, only the blossom end is broader, and the size nearly equal to Chinese Giant. Vigorous grower and very prolific. The fruit is a beautiful scarlet in color and exceedingly mild.



Chinese Giant

R.-H. Co.'s Seed Potatoes

Culture—Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches, and make rows 3 feet apart; cover eyes 2 inches; plant in February, March and April for early crops. On account of market fluctuations, we are unable to name exact prices. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipments. All prices quoted are F. O. B. Memphis.

State Certified SEED POTATOES

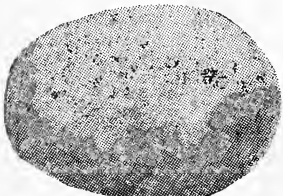
They cost more but they are well worth the difference. We handle the genuine State Certified Seed Potatoes tagged and inspected according to state and government inspection requirements. Don't be misled and buy or plant just field inspected potatoes—see that the tag is Red and reads "State Certified." You want the best. Send us your orders for the genuine State Certified Seed Irish Potatoes and get them right.

Larger Yield of CLEANER POTATOES

Seed treated with Bayer's Dip Dust produces larger yields, because of better stand, cleaner and better potatoes, and can be planted sooner.

1 pound treats 10 bushels of cut seed potatoes.

4 oz. pkg., 50c; 1 lb. pkg., \$1.75. Cannot be mailed.



Certified Red Triumph Potatoes

Certified Red Triumph Potatoes

—You can depend on our stock of Bliss Red Triumphs. They are smooth, sound and free from diseases and true to type, so tagged and certified by the state which produces them. Remember only State Certified Seed Potatoes can be shipped into Mississippi and other states.

COLD STORAGE POTATOES

We will have Lookout Mountain, Red Triumph, Spaulding No. 4 Rose, and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.

Certified SEED SWEET POTATOES

Plant only disease free seed Sweet Potatoes and Sweet Potato Slips. They mean better quality and better crops. We ship only State Certified seed stock. Can furnish following varieties:

Certified Nancy Hall—Skin yellow, meat sweet, of clear amber yellow. Prices on request.

Certified Porto Rica Yams—Deep orange meat, soft, sweet and of best flavor; skin golden color with slight purplish tinge. Prices on request.

Certified SWEET POTATO SLIPS

Certified Nancy Hall Slips.

Certified Porto Rica Slips.

Postpaid, 500, \$2.00; 1,000, \$3.75. Not prepaid, 500, \$1.75; 1,000, \$3.25; 5,000, \$13.75. Prices subject to market changes.



Certified Irish Cobbler Potatoes

Certified Irish Cobbler Potatoes—A popular, early white potato of fine quality. Very productive. We have State Certified seed of this splendid variety.

STATE CERTIFIED SEED POTATO PRICES

We know you want the best, then plant only State Certified Seed Irish Potatoes. Government records show state certified seed increases the yield 50 to 60 per cent. They cost a little more but in the end they are the cheapest. Why, because you get a better stand and a better crop. We also advise you to use Bayer's Dipdust on them before you plant.

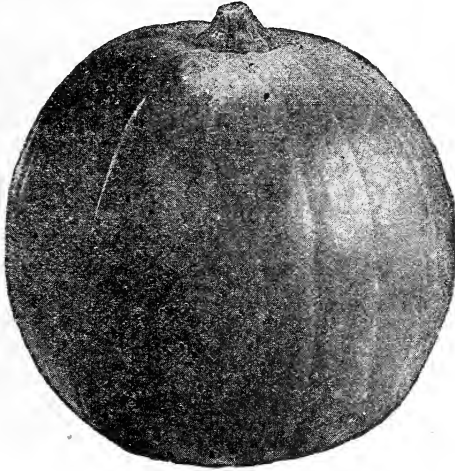
Quotations on State Certified Seed Potatoes given on Green Ink List enclosed.

PEPPER PRICES

	Pkt.	1/2 Oz.	Oz.	1/4 Lb.
Bell or Bull Nose Pepper.....	\$0.05	\$0.15	\$0.25	\$0.75
Bird's Eye or Creole Pepper.....	.10	.25	.50	1.40
California Wonder Pepper.....	.10	.25	.50	1.25
Chinese Giant Pepper.....	.05	.25	.45	1.20
Golden Queen Pepper.....	.10	.25	.50	1.25
Harris Earliest Giant Pepper.....	.10	.25	.50	1.25
Long Red Cayenne Pepper.....	.05	.15	.25	.75
Pimiento Pepper.....	.05	.15	.25	.75
Ruby Giant Pepper.....	.05	.20	.35	.90
Ruby King Pepper.....	.05	.15	.25	.70
Red Chili Pepper.....	.10	.25	.50	1.25
R.-H. Co.'s Thick Pod Cayenne.....	.10	.25	.50	1.25
Tobasco Pepper.....	.10	.25	.50	1.40
Worldbeater Pepper.....	.05	.20	.35	.90

PUMPKINS

and damage that crop. One ounce will pounds to the acre.



Kentucky Yellow Field

Kentucky Yellow Field—A large variety of good quality.

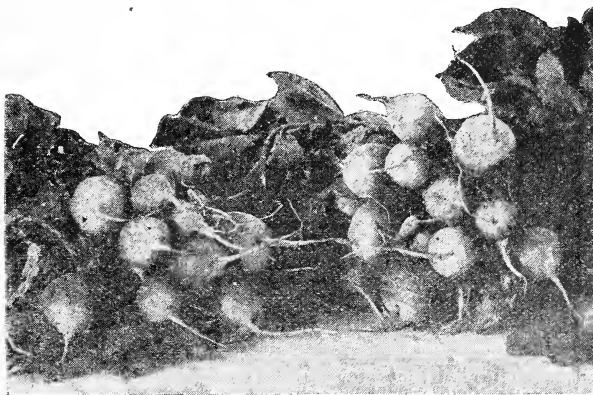
Striped Cushaw—Very productive, good for table and stock feeding.

Small Sugar—Small, round, flat ended. Very prolific. Deep orange yellow flesh, fine grained and sweet. One of the best for pies.

RADISHES

sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter sow in August and September. One ounce sows 50 feet in drills—10 to 12 pounds to the acre.

Culture—To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and



Cooper's Sparkler Radish

R.-H. Co.'s Early Bird—16 days. Quickest growing round red. This desirable, quick growing, red button radish produces its crop in 16 to 20 days. Round as a marble, having a very small top and tap root. The skin is a bright scarlet color, with firm white flesh, which is crisp, brittle and juicy. Adapted for forcing or outdoor planting.

Scarlet Button—From the time of seed sowing to the table in 20 days. The quickest growing radish of all. These radishes are perfectly round, of attractive bright red color, and have only a very few short leaves. The quality is all that could be desired; flesh white, very firm, crisp and mild.

Icele—Long, slender, pure white, the earliest and finest long, white radish.

Early Scarlet Globe—A very distinct shape, brilliant red color, short leaved, crisp and white, of excellent flavor.

French Breakfast—A very popular French variety of very rapid growth, color scarlet, tipped with white, and small in size.

Culture—Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize.

Early Long Scarlet Short Top—Early, very short top, splendid shape and color.

Cooper's Sparkler—This radish is an improved type of the Scarlet Turnip White Tip and is superior to the original. The top half is beautiful scarlet, the bottom half clear white.

Mixed Radishes—A general mixture of all varieties, giving you radishes for the whole season at one planting.

R.-H. Co.'s Perfection White Tip Radish—The most attractive bunching radish on the market—the best strain of Scarlet Turnip White Tip Radish, with the white tip well developed, covering the lower half of the radish. Extra early, crisp and tender.

DO NOT DELAY ORDERING

Until you are ready to use the goods you want. It will prove economical often to anticipate your wants. The loss of time in planting by delays of transportation companies, also advances in prices, should show the wise buyer that it is to his interest to order early.

RHUBARB

Culture—Set out in the early spring or fall in deep-worked soil 4 feet apart each way. Mulch freely with manure or coarse litter. After stalks are well rooted and have grown freely, they may be used, and with care will last for years. Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.50; postpaid.

Rhubarb Roots—Strong 2-year-old roots. Each, 30c; 6, \$1.50; 12, \$2.50. 1-year roots, each, 15c; doz., \$1.25, postpaid. Not prepaid, 2-year roots, each, 25c; doz., \$2.00; 1-year roots, each, 10c; doz., \$1.00.



Rhubarb

PUMPKIN PRICES

	Pkt.	Oz.	¼ Lb.	1 Lb.
Connecticut Field Pumpkin.....	\$0.05	\$0.10	\$0.20	\$0.45
Cushaw Striped Pumpkin.....	.05	.15	.35	1.00
Cushaw White Pumpkin.....	.05	.10	.25	.75
Japanese Pie Pumpkin.....	.05	.15	.35	1.00
Kentucky Yellow Field Pumpkin....	.05	.10	.20	.40
King of the Mammoth Pumpkin....	.05	.15	.35	1.00
Small Sugar Pumpkin.....	.05	.15	.35	1.00
Tennessee Sweet Potato Pumpkin...	.05	.15	.35	1.00

RADISH PRICES

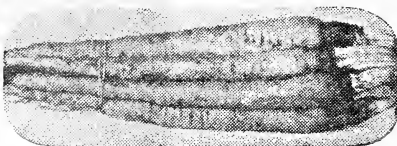
	Pkt.	Oz.	¼ Lb.	1 Lb.
Chartier or Shepard Radish.....	.05	.10	.20	.50
China Rose Winter Radish.....	.05	.10	.25	.60
Cooper's Sparkler Radish.....	.05	.10	.25	.55
Early Scarlet Turnip Radish.....	.05	.10	.20	.50
Early Scarlet Turnip White Tip Rad.	.05	.10	.20	.50
Early Scarlet Globe Radish.....	.05	.10	.20	.50
Early Long Scarlet S. T. Radish....	.05	.10	.20	.50
Early White Turnip Radish.....	.05	.10	.25	.50
French Breakfast Radish.....	.05	.10	.20	.50
Icele Radish.....	.05	.10	.20	.50
Long Black Spanish Radish.....	.05	.10	.25	.60
Mammoth White Chinese Radish....	.05	.10	.25	.60
R.-H. Co.'s Perfection W. T. Radish	.05	.10	.25	.60
R.-H. Co.'s Early Bird Radish.....	.05	.15	.30	.65
Scarlet Button Radish.....	.05	.15	.30	.65
Mixed Varieties of Radishes.....	.05	.10	.20	.50

SPECIAL OFFER—Select any six 5c size or three 10c size for 25c, postpaid. Select any thirteen 5c size or seven 10c size for 50c, postpaid.

Salsify Oyster Plant

Culture—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.

Mammoth Sandwich Island—This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor.



Salsify or Vegetable Oyster

Spinach

Culture—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown in September. For summer use it may be sown at intervals of 2 or 3 weeks, from March to August. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.

King of Denmark—The largest growing variety. The glossy dark green foliage is attractively crumpled and thick in texture. The numerous leaves are extra large, broad and rounded. Ready to cut in 48 days.



Eskimo Giant

Eskimo Giant—Produces its broad thick leaves early in the season. Its giant leaves often measure 20 inches across, which when cooked are very tender and of excellent flavor.

Bloomsdale Curled Savoy—In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy.

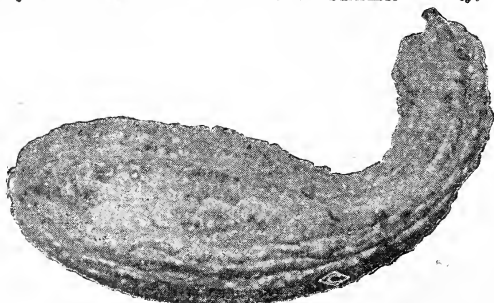
New Long Standing Bloomsdale Savoy—A new long standing strain of the well known Bloomsdale Curled Savoy Spinach. Slow in running to seed, stands a long time in edible condition. Leaves very dark green, crumpled, large and attractive.

New Zealand Spinach—This is not a spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of 6 feet across, producing an abundance of thick, fleshy, juicy stems and leaves. Plant in hills 2 feet apart each way, 3 or 4 seeds to a hill.

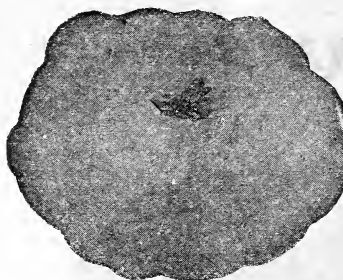
Squash

Culture—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.

Early White Bush—The well-known summer variety.



Yellow Summer Crookneck



Mammoth White Bush

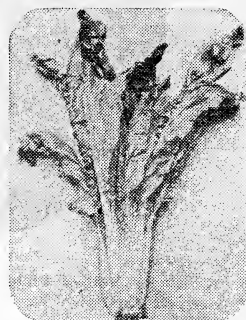
Mammoth White Bush—Is nearly double the size of Early White Bush—Patty Pan—very uniform in size, prolific and fine quality; grows to 12 inches in diameter.

Yellow Summer Crookneck—A bush variety; early and prolific; surface deep yellow, densely warted; quality and flavor good.

Swiss Chard or Spinach Beet

Culture—Same as for beets; transplant 12 inches apart in rows 18 inches apart. Sow seeds in the spring, as for common beets. Grown for its leaves only; one of the best early green. Cook the leaves as you do spinach and the stems in cream as asparagus. Leaves grow to enormous size, 20 inches to 3 feet in length.

Lucullus—A delicious variety having pale green leaves which are remarkably crimped and curled, like savory cabbage. The stiff ribbed chards are white and broad but not so broad as the common variety, although equally fine in flavor.



Lucullus

Tobacco

The seeds are sown in the spring. When these plants are almost 6 inches high, set out 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

Havana—Grown largely for wrappers for cigars.

Connecticut Seed Leaf—An early variety, for smoking and chewing.

Improved White Burley—Fine for both chewing and smoking.

Price of any of the above varieties: Pkt., 10c; oz., 40c; postpaid.

SALSIFY PRICES

	Pkt.	Oz.	1/4 Lb.	1 Lb.
Mammoth Sandwich Island Salsify	\$.05	\$0.15	\$0.50	\$1.75

SQUASH PRICES

	Pkt.	Oz.	1/4 Lb.	1 Lb.
Cocozelle Squash	\$.05	\$0.15	\$0.50	\$1.00
Early White Bush Patty Pan Squash	.05	.15	.50	1.00
Ford Hook Bush Squash	.05	.15	.50	1.00
Giant Yellow Crookneck Squash	.05	.15	.50	1.00
Golden Custard Squash	.05	.15	.50	1.00
Hubbard Squash	.05	.15	.50	1.00
Mammoth White Bush Squash	.05	.15	.50	1.00
Yellow Summer Crookneck Squash	.05	.15	.50	1.00
LUCULLUS SWISS CHARD	.05	.15	.25	.75

SPECIAL OFFER—Select any six 5c size or three 10c size for 25c, postpaid. Select any thirteen 5c size or seven 10c size for 50c, postpaid.

SPINACH PRICES

	Pkt.	Oz.	1/4 Lb.	1 Lb.
Bloomsdale Savoy Spinach	\$.05	\$0.10	\$0.20	\$0.45
Broad Leaved Flanders	.05	.10	.20	.45
Eskimo Giant Spinach	.05	.10	.25	.50
King of Denmark Spinach	.05	.10	.25	.50
Long Standing Bloomsdale Savoy	.05	.10	.25	.50
Princess Juliana Spinach	.05	.10	.25	.50
New Zealand Spinach	.05	.10	.25	.75

Remember the above prices are postpaid. Select any six 5c size or any three 10c size for 25c.

QUANTITY PRICES—See Green Ink Price Sheet for quantity prices on Spinach and Squash.

GLOVES FREE WITH ORDERS

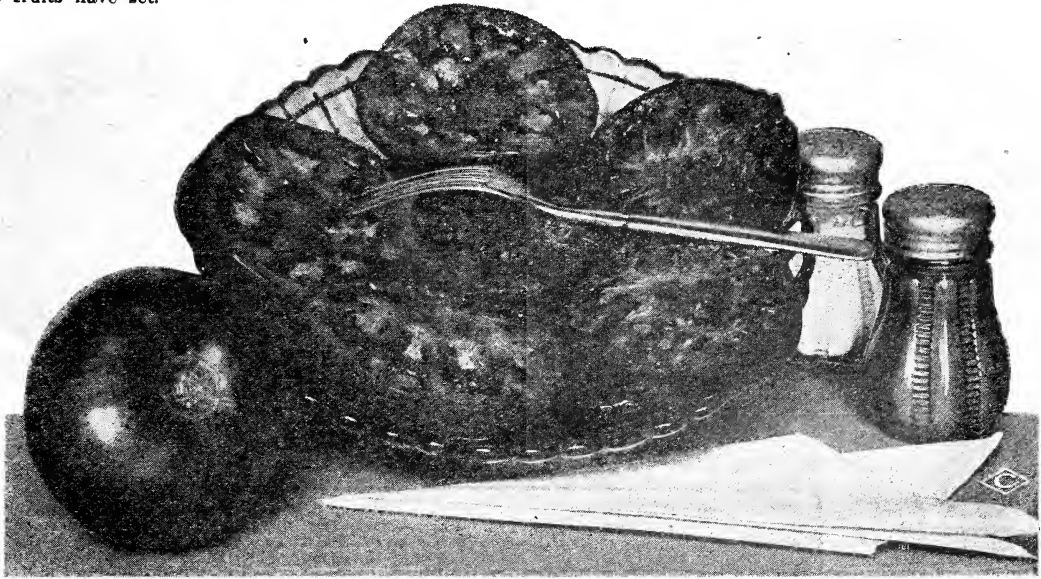
These are serviceable and useful in many ways, especially desirable when applying any spray material, or for doing work in the vegetable or flower garden, etc.

With every cash order for \$2.00 and over for any seeds, bulbs, fruit trees or spray materials, we will send you free when requested, one pair of these Handy Gloves.

Don't fail to ask for a pair.

TOMATOES

Culture—The seed should be sown in March in a hotbed or greenhouse, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of April the plants may be set in the open ground from 4 to 5 feet each way. One ounce produces about 1,500 plants. To prevent rot and blight on tomato plants spray with Pyrox when first fruits have set.



Avon Early

Avon Early—Fully as early as Earliana; fruits much larger and always perfectly smooth, of a deep scarlet color and don't crack; a fine variety for early market trade.

Earlibell—This is one of the very first large tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is bright crimson, similar to Earliana. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack.

R.-H. Co.'s Red Head Tomato—A superb early maturing variety coming into bearing with Earliana, however, it is perfectly smooth, of large size and a deep but bright red color and holds its size throughout the season. The vines are vigorous, heavy and do not show any tendency to wilt or leaf curl. Red Head answers for an extremely early or medium maturing variety and is one that will make the gardener money.

June Pink—Fruit uniform size, smooth, pinkish-red, ripens early—about same season as Earliana—produces immense crops. As an extremely early, pink variety it stands easily at the head of the list. Flavor is rich, pleasant and peculiarly unlike most tomatoes.

Bonny Best—An excellent extra early variety, maturing between Earliana and Chalk's Early Jewel. Medium sized, scarlet, smooth, round shape.

Brimmer—A new tomato which is said to grow larger than any other kind. The fruit is unusually large, of a bright red color; is thick, meaty and contains but few seeds.

Marglobe (New)—The Wilt and Nallhead Rust-Resistant Sort. Developed by the Agricultural Department and thoroughly tested in sections where the above diseases are very destructive. The Marglobe was produced by crossing the Livingston Globe with one or more other varieties. A bright red in color, of large size, almost

round, and very productive. It will pay to try the Marglobe, even if you are not bothered with tomato diseases. It is very promising.

TOMATO PRICES

	Pkt.	1/2 Oz.	Oz.	1/4 Lb.
Avon Early	\$0.10	\$0.25	\$0.50	\$1.25
Beefsteak	.10	.25	.50	1.25
Bonny Best	.05	.15	.25	.80
Brimmer	.10	.25	.50	1.25
Burpee's Dwarf Giant	.10	.25	.50	1.20
Chalk's Jewell	.05	.15	.25	.80
Earlibell	.10	.25	.50	1.20
Gulf State Market	.05	.20	.35	1.00
June Pink	.05	.15	.30	.90
Marglobe	.05	.20	.35	1.00
Matchless	.05	.15	.25	.70
Norton Wilt Resistant	.05	.15	.25	.75
Red Rock	.05	.15	.25	.70
R.-H. Co.'s Red Head	.10	.25	.50	1.20

QUANTITY PRICES—For Quantity Prices on Tomato Seed see Green Ink List in back or book.

Matchless—The color is rich red. The skin is so tough that it makes a splendid keeper and shipper, and is less liable to crack in wet weather than any other large tomato. Unsurpassed for market or table; strong grower and very productive, bearing with undiminished vigor until frost. The fruit is free from core and the seed spaces comparatively small.

Gulf State Market—One of the finest early globe shaped tomatoes yet produced. A very vigorous grower and withstands blight exceptionally well. Color deep purple pink, smooth skin and free from cracks.

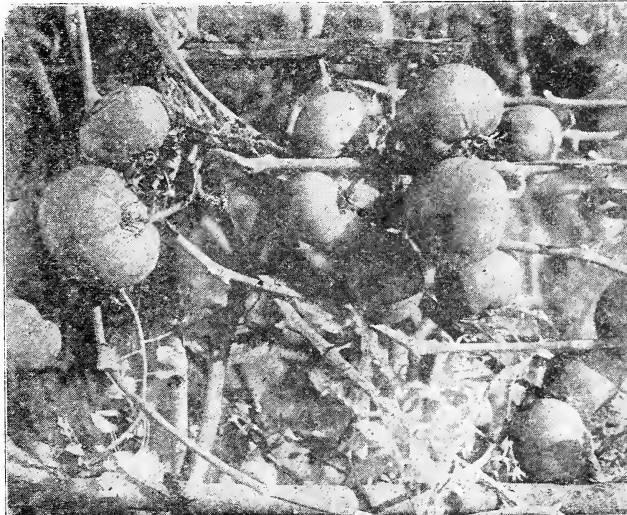
Norton Wilt-Resistant—Somewhat larger than Stone, which variety it resembles in every way, but has a longer bearing season, very smooth, excellent flavor, solid, bright red color; ripens in mid-season and will bear until frost. Plants also stand almost any kind of weather conditions and are blight resistant.

Chalk's Early Jewel—Ten days later than Earliana. Large, solid fruits; roundish; bright red; excellent quality; splendid for home use or market; retains its deep red color when canned.

LIVELY WEEDER

A simple and effective weeder; a golf-like movement, gets the weeds quickly, thoroughly and with little effort, has double cutting edge, built on a strong frame and light in weight. It gets them coming and going. You will like this little tool on account of these specifications.

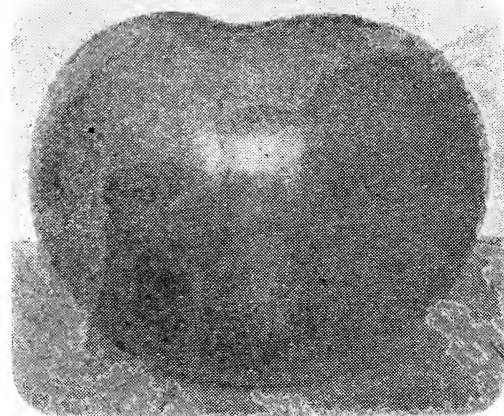
\$1.50 f. o. b. Memphis.



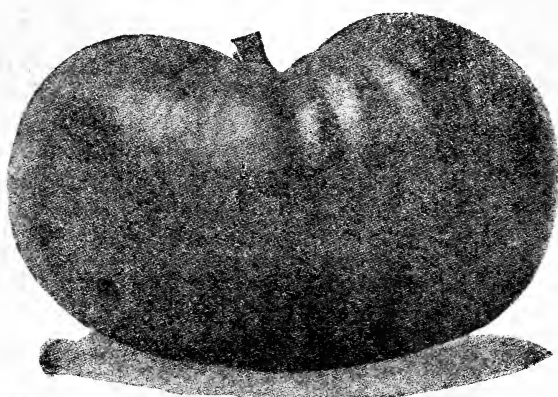
June Pink

TOMATOES

Wayahead—The Potato-Leaved Earliana Tomato. This new variety has quickly attained fame in several tomato-growing sections on account of its disease resistance and heavy yield in off seasons. The fruits are bright red and are smoother, deeper and of better color than the old Earliana. The yield is also much heavier, the clusters of fruits ripen evenly and at one time.



Earliana



Ponderosa

Louisiana Pink—A smooth pink wilt resistant variety grown and selected for ten years by the Louisiana Experiment Station. It is medium early and fair size. Its strong points are that the vines are not subject to Tomato Wilt which is one of the most troublesome with other kinds.

Early Detroit—The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality. Is a better yielder and more vigorous than Acme. The fruits are of good size throughout the season.

Earliana—A fine scarlet tomato. Ready for the market several days ahead of any other variety. Ripens uniformly and is a good yielder.

Beauty—Is early, of good size, smooth, a good bearer and the quality is all that could be desired. The fruit is a purplish red color.

Ponderosa, the Giant Tomato—Of the large-fruited varieties, this one is a gem. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight; tomatoes grow in beautiful uniform clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh and sweet flavor, and small seed cells.

Dwarf Ponderosa—It is much the largest fruited of all dwarf tomatoes. The color is a rich purple crimson.

Yellow Ponderosa—Equals Ponderosa in size, but bears rich golden-yellow fruits in abundance.

SMALL AND PRESERVING TOMATOES

Red Pear Shaped—Pkt., 5c; oz., 40c, postpaid.

Red Peach—Pkt., 5c; oz., 40c; postpaid.

Yellow Pear Shaped—Pkt., 5c; oz., 40c, postpaid.

Yellow Plum—Pkt., 5c; oz., 40c, postpaid.

TOMATO PRICES

	Pkt.	½ Oz.	Oz.	¼ Lb.
Acme Early	\$0.05	\$0.15	\$0.25	\$0.85
Livingston's Beauty	.05	.15	.30	.90
Cooper's Special	.10	.20	.35	1.00
Dwarf Ponderosa	.10	.25	.50	1.25
Early Detroit	.05	.15	.30	1.00
Earliana	.05	.15	.25	.75
Livingston's Globe	.05	.20	.35	1.00
Louisiana Pink	.10	.20	.35	1.00
Ponderosa	.10	.25	.50	1.25
Stone	.05	.15	.25	.60
Truckers' Favorite	.05	.15	.30	.90
Wayahead	.05	.20	.35	1.00
Yellow Ponderosa	.10	.25	.50	1.40

SPECIAL OFFER—Select any six 5c size or three 10c size for 25c. Select any thirteen 5c size or seven 10c size for 50c.

Quantity Prices on Tomato Seed given on Green Ink Price Sheet enclosed.

TOMATO COLLECTION—Special Offer, Only 80c.

½ oz. Gulf State Market Tomato; ½ oz. Stone Tomato; ½ oz. Marglobe Tomato; ½ oz. Bonny Best Tomato; ½ oz. Truckers' Favorite Tomato; ½ oz. Wayahead Tomato. Six varieties above, ½ oz. of each, regular value, \$1.05. Mailed for only 80c.

Stone—A grand slicing, cooking, canning tomato. Round, smooth, regular, solid fleshed, bright deep scarlet in color and ripens evenly to the stem. Has color, size, quality, quantity and ability to travel to distant markets and at the end of the journey to be fresh, plump and with unimpaired quality.

Trucker's Favorite—A purple fruited sort of excellent quality. Fruits are invariably smooth, solid and the flesh is of finest color throughout. Plants are very thrifty, free from rust or blight and bear continually until killed by frost.

Livingston's Globe—Extra good, all-round tomato of a distinct globe shape, permitting a greater number of slices from a single fruit than from any other sort. Always smooth, firm-fleshed and has but few seeds, especially the early fruits. Very productive—the plants have many short joints at which clusters of 3 to 7 fruits are formed. A purplish pink shade.

Cooper's Special or Self Pruning—The habit of growth of this valuable new variety is very distinct. When the plant is still comparatively small, it sends out side branches or laterals without being pinched. At every point of these branches appear clusters of fruits that are smooth, solid, of perfect globe shape and bright pinkish red color. Second early.

Acme—Early and bears fruit until cut off by frost. Fruit is purplish, always round, smooth and of good size, and is borne in clusters of four or five; free from cracks and stands shipment well. Flesh is solid and of excellent flavor.

GREAT NORTHERN BEANS

A wonderfully fine field or shell bean larger than the navy bean and more productive, cooks soft and of excellent quality.
½ pt., 20c; pint, 30c; qt., 50c, postpaid.



Beauty

R.-H. CO'S TURNIP SEED

Culture—Spring sowing should be put in early so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of phosphate with the ground, then sow your seed. Cover the seed about $\frac{1}{2}$ inch. Sow $1\frac{1}{2}$ pounds to the acre in drills, 2 pounds broadcast.

TURNIPS

Extra Early White Milan—The earliest turnip. Tops very small, distinctly strap leaved and growing very erect.

Extra Early Purple Top Milan—A white variety, purple top and strap-leaf. This, with the White Milan, is the earliest of all turnips.

White Egg—A quick growing, egg-shaped, pure white variety. Very sweet, firm and solid.

Large Amber Globe—Of large size, globe shaped, solid yellow flesh; green top. Fine for table and stock.

Long White Cow Horn—A long white turnip, 12 to 15 inches in length, $2\frac{1}{2}$ inches in diameter and growing well above the ground. Of rapid growth, producing large, heavy roots in 75 days. One of the best and sweetest for home use or for stock feeding and excellent to plow under as a green fertilizer.

R.-H. Co.'s American Red Top Globe—Grown for us on contract from our own special seed stock. A perfect globe shaped, with bright red or purple top and snow white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Our market gardeners here will have nothing but R.-H. Co.'s American grown Red Top White Globe, and we pride ourselves on this stock.

Mammoth Purple Top White Globe—One of the handsomest and most salable turnips. For home or market it is unsurpassed. It is a large, rapid growing sort, being ready for the table or market in about 65 days, with globular shaped roots. Flesh pure white, and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top.

R.-H. Co.'s Mixed Turnips—A general mixture; very desirable; produces greens and turnips early and late; fine for home gardens.

Large White Globe—A popular variety. Makes large, round white roots, flesh white, solid, sweet and fine grained, maturing in about 75 days. Excellent for table or stock; also quite largely used for spring salad.

Red or Purple Top Strapleaf—Flat white, with purple top. Fine grained and tender. Used for early market and table.

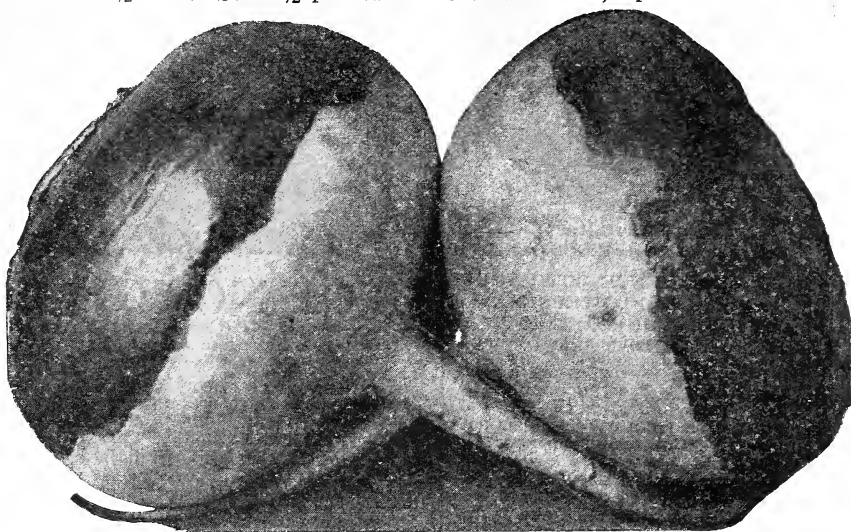
Rutabaga

Culture—Sow in drills or broadcast in June, July or August.

Improved Purple Top Yellow—The finest and most profitable of all yellow, purple top Rutabagas, being the hardest, heaviest, best shaped and most productive. The flesh is of a beautiful yellow color, of the choicest quality. Matures in 95 days.

	TURNIP PRICES		Postpaid	
	Pkt.	Oz.	$\frac{1}{4}$ Lb.	1 Lb.
Red or Purple Top Strap Leaf...	\$0.05	\$0.10	\$0.15	\$0.35
R.-H. Co.'s Amer. Red Top Globe...	.05	.10	.20	.50
Seven Top Winter...	.05	.10	.15	.35
Southern Prize...	.05	.10	.20	.40
Sweet German...	.05	.10	.20	.40
White Egg...	.05	.10	.15	.35
White Flat Dutch...	.05	.10	.15	.35
Yellow Aberdeen...	.05	.10	.15	.35
Yellow Purple Top Rutabaga...	.05	.10	.15	.35

Quantity Prices on Turnip Seed given on Green Ink List in back of book.



R.-H. Co.'s American Red Top Globe Turnip

Sweet German—A very hardy sort; used largely for greens in same manner as Seven Top. The roots are also valuable for stock feeding, growing to a large size. Grows outdoors all winter.

TOP NOTCH TURNIP COLLECTION

One ounce each of the following eight varieties new crop Turnip Seeds for only 50c postpaid.

- | | |
|------------------------------|---------------------------|
| 1 Extra Early White Egg | 6 R.-H. Co.'s Am. Red Top |
| 2 Large White Globe | Globe |
| 3 Large Amber Globe | 7 Southern Seven Top |
| 4 Mam. Purple Top Globe | 8 Yellow Aberdeen P. T. |
| 5 Purple Top Yellow Rutabaga | |

At regular prices the above collection would cost 80c. Send 50c and we will mail same to any address.

TURNIP PRICES

	Pkt.	Postpaid		
		Oz.	$\frac{1}{4}$ Lb.	1 Lb.
Ex. Early Purple Top Milan.....	\$0.05	\$0.10	\$0.25	\$0.50
Ex. Early White Milan.....	.05	.10	.25	.50
Dixie Land .....	.05	.10	.15	.40
Large White Globe .....	.05	.10	.15	.35
Large Amber Globe .....	.05	.10	.15	.35
Long White Cowhorn.....	.05	.10	.15	.35
Mammoth Purple Top Globe.....	.05	.10	.15	.35
R.-H. Co.'s Mixed Turnips.....	.05	.10	.15	.35

SPECIAL OFFER—Any six 5c size or three 10c size packets for 25c, postpaid. Any seven 10c size or five 15c size packets for 50c, postpaid.

WHY YOU SHOULD USE LAND PLASTER (Agricultural Gypsum)

Because it furnishes crops sulphur in an immediately available and neutral form—in exactly the form that sulphur is supplied to plants in nature.

It also increases greatly the nitrogen supply to crops. It does this: first, by enormously increasing the growth and nitrogen fixation of the leguminous crops.

How and When To Apply

For alfalfa, red clover, sweet clover, and white clover-blue grass lawns, apply gypsum as a top dressing in the early spring about the time growth begins. Alfalfa and white clover-blue grass lawns are perennial and the applications should be repeated every two or three years. Red clover and sweet clover are biennial; the seedlings get set the first year and produce the crop the second. On these, the gypsum should be applied in the early spring of the year the crop is to be mown.

Benjamin Franklin was one of the first to introduce this material into America. He had a field of red clover that sloped down to one of the main roads out of Philadelphia. On this he sowed ground gypsum to form the following words: "Land Plaster Used Here, Ben Franklin." The words soon became conspicuous to passersby, due to the luxuriant growth and deep green color.

Broadcast 100 lbs. Land Plaster to the acre on your clover, alfalfa and pastures and watch the wonderful improvement. 100-lb. bag, \$1.50.



O. F. WOHLRATH

Manager of Flower Seed Department

MY EXPERIENCE WITH YOUR
FAVORITE FLOWERS MAY
HELP YOU TO ENJOY
THEM MORE

In sowing flower seeds, a rich light loam is most desirable. A little sand mixed with the soil will keep it from packing. Do not cover the fine seeds too deep. If seeds are sown early or should the soil become dry, cover the beds with papers or sacks to retain the moisture until the seeds germinate.

A good plan is to sow seeds in rows about 8 inches apart, then transplant to permanent rows later.

For the beginner, I would suggest such kinds as follows:

Alyssum, Aster, Balsam, Calliopsis, Centaurea, Cosmos, Marigold, Petunia, Phlox, Poppy, Nasturtium, Verbena and Zinnias. All of these make pretty flowers and are easily grown from seed.

Any of my friends wanting further information at any time, don't hesitate to write or call me.

Sincerely yours,

O. F. WOHLRATH.
25 years seed experience.



TOP NOTCH FLOWER SEEDS

ANNUALS are those flowers that attain their full growth, bloom, and die the first year. Among these are Asters, Balsam, Cosmos, Zinnias, Mignonette, Petunia, Phlox, Verbenas, Sweet Peas, Nasturtiums, Morning Glories and other brilliant and fragrant sorts.

PERENNIALS usually do not flower the first year, but live over until the second season and then bloom. They continue for many years after. These sorts constitute the "Hardy Flowers" such as Hollyhocks, Sweet Williams, etc.

ALL PRICES ON FLOWER SEEDS
ARE POSTAGE PAID

ALYSSUM—Six to eight inches high; a fragrant, hardy annual, bearing spikes of small white flowers in great profusion. Useful for border of early bedding flowers. Sow the seed early in spring.

Sweet Alyssum—Pkt., 5c; oz., 35c.
Little Gem Alyssum—Three to four inches high; fine for borders. Pkt., 10c; oz., 50c.

AGERATUM—Very showy plants; bloom profusely the whole summer; fine as cut-flowers; splendid for borders, ribbon beds, etc. Half-hardy annuals.

Finest Mixed—Pkt., 5c; oz., 40c.
AMARANTHUS—Caudatus. Love Lies Bleeding, very attractive, 3 feet. Pkt., 5c; oz., 35c.

Tricolor—Very attractive annual, called Joseph's Coat. Pkt., 5c; oz., 60c.

CRUENTUS—Showy annual, known as Princess Feather. Pkt., 5c; oz., 40c.

ANAGALLIS—Low dwarf plants exceedingly effective for borders, dark blue flowers. Pkt., 10c; oz., \$1.00.

ANTIRRHINUM, or SNAPDRAGON—Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high.

Tall Mixed—Many colors. Pkt., 5c; oz., 75c.
Dwarf Mixed—Many colors. Pkt., 10c; oz., \$1.25.

Empress—A rich crimson Snapdragon. Pkt., 10c; oz., \$2.00.

Golden Queen—Beautiful golden yellow. Pkt., 10c; oz., \$2.00.

Silver Pink—Satin pink. Pkt., 10c; oz., \$2.00.



Sweet Alyssum used as a border

ASTERS—Very effective in beds or borders. China—Aster, mixed colors. Pkt., 5c; oz., 40c.

Giant Comet—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backwards. Mixed colors. Pkt., 10c; oz., \$1.50.

Victoria Mixed—Flowers very large and perfect. Pkt., 10c; oz., \$1.75.

Vick's Branching—Quite different in several respects from any other Aster, beautiful for cut flowers. Mixed colors. Pkt., 10c; oz., \$2.00.

All Colors Mixed—A combination of all varieties, double, of globular shape and imbricated; 1½ feet high, giving both range of colors and shapes. Pkt., 5c; oz., 90c.



Balsam

BALSAM—Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants to make the flowers more double.

Double Mixed—Pkt., 5c; oz., 50c.

BALSAM APPLE—Round, pear-shaped fruit with very fine, glossy, green foliage. This is a pretty climber. Pkt., 5c; oz., 40c.

American
Branching
ASTERS



BALLOON VINE—A rapid growing climber; thrives in light soil. Pkt., 5c; oz., 40c.

BACHELOR'S BUTTON—Mixed colors. Also called Globe Amaranth, of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt., 5c; oz., 50c.

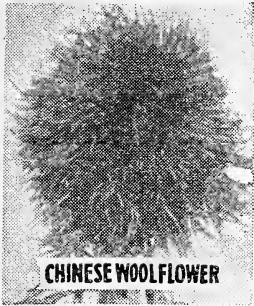
BLUE LACE FLOWER—a flower you cannot do without in your garden. Beautiful, large, lace-like flowers, similar to wild carrot, but of a lovely delicate azure-blue gracefully poised on long stems. Sow in the hotbed in March and outdoors in May and again in June, and you can cut flowers until frost. Pkt., 10c; oz., \$1.50.

LONG STEMMED FLOWERS FOR CUTTING

Aquilegia, Asters, Calliopsis, Carnations, Centaurea Cyanus, Centaurea Coreopsis, Cosmos, Dahlias, Delphinium (hardy), Gypsophila, Gallardia, Larkspur, Marigolds, Mignonette, Poppies, Salpiglossis, Scabiosa, Stocks, Sunflower, Sweet Peas, Sweet Sultan and Zinnias.

DESIRABLE PLANTS FOR SHADY LOCATIONS

Antirrhinum, Canterbury Bells, Coreopsis, Digitalis, Panicle, Poppies (hardy), Violet, Aquilegia, Daisies, Delphinium and Day Lily Plants.



CHINESE WOOLFLOWER

growth, rich color and profuse bloom, height 2 to 4 feet. Single mixed colors. Pkt., 5c; oz., 50c.

CANDYTUFT—The flowers are produced in clusters in a variety of colors. Very showy for borders or massing in beds. Pkt., 5c; oz., 20c.

CARNATION MARGUERITE—The flowers are large, double and very fragrant. Mixed colors. Pkt., 10c; oz., \$1.50.

CANNA—Ornamental, producing clusters of large flowers of the most brilliant colors. Soak seed for a day in warm water. Mixed colors. Pkt., 5c; oz., 35c.

CARDINAL CLIMBER—A new and brilliant colored annual climber. Flowers glowing scarlet. Vines attaining a height of from 20 to 30 feet. Pkt., 10c; oz., \$1.50.

CHINESE WOOLFLOWER—Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich colors. Mixed Chinese Woolflower. Pkt., 10c; oz., \$2.00.

COBEA SCANDENS (Cup and Saucer Vine)—A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped purple flower. Pkt., 5c; oz., 70c.

COCKSCOMB CELONIA—The finest type of the feathered cockscomb. Huge plumes of crimson flowers. Dwarf sorts mixed. Pkt., 10c; oz., \$1.50.

COLEUS—Probably the best known and most popular of ornamental foliage plants. Tender annual. Mixed colors. Pkt., 20c.

COLUMBINE—Easily grown, old-fashioned perennials for borders, forming large, permanent clumps. Pkt., 5c; oz., 75c.

CACALIA—Also called Flora's Paint Brush, an excellent cut flower. Plant grows 24 inches high. Pkt., 10c; oz., 80c.

CALENDULA—(Pot Marigold)—Very hardy annual, 1 foot high. Has showy flowers blooming until frost and producing a fine effect in borders. Mixed varieties. Pkt., 5c; oz., 35c.

CALIFORNIA—Showy, beautiful free flowering annuals, excellent for cutting and massing. Mixed colors. Pkt., 5c; oz., 40c.

CANARY BIRD VINE—A beautiful climber with curiously shaped little canary-colored blossoms. Tender annual. Pkt., 5c; oz., 40c.

CANTERBURY BELLS—Handsome, hardy biennial of stately growth.



SINGLE EARLY COSMOS

COREOPSIS—Fine for cutting; graceful flowers. Pkt., 5c; oz., 10c.

CORNFLOWER—Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty.

Single Mixed Cornflower—Pkt., 5c; oz., 50c.

Single Blue—Pkt., 10c; oz., 50c.

Double Mixed—Pkt., 10c; oz., 60c.

Double Blue—Pkt., 10c; oz., 60c.

COSMOS—Among the garden annuals that have come into prominence in recent years the Cosmos lead all. Seed sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

Early Flowering—Mixed colors. Pkt., 5c; oz., 50c.

Giant Flowering—Mixed colors. Pkt., 5c; oz., 40c.

Giant Flowering—Pink. Pkt., 10c; oz., 50c.

Giant Flowering—Crimson. Pkt., 10c; oz., 50c.

Giant Flowering—White. Pkt., 10c; oz., 50c.

Klondyke Yellow Cosmos—Pkt., 10c; oz., \$1.25.

Double Cosmos—Mixed colors. Pkt., 10c; oz., \$2.00.

CYPRESS VINE—Rapid climber, bearing an abundance of star-like flowers, fine for trellises and arbors. Mixed colors. Pkt., 5c; oz., 35c.

CYNOGLOSSUM—Amable or Chinese Forget-me-not. A lovely plant, 18 to 24 inches tall with flower of a beautiful clear blue color. Grows easily and quickly from seed. Pkt., 10c; oz., 90c.

NEW DRY POWDERED ATLAN WEED KILLER

Will eliminate all forms of weeds by simply dusting them with the dry powder, which is a highly concentrated preparation superior to the liquid form.

The 3-lb. can is sufficient to cover 300 square feet of grass and weeds.

Price, 3-lb. can, \$1.50.

GLOVES FREE WITH ORDERS

These are serviceable and useful in many ways. Especially desirable when applying any spray material, or for doing work in the vegetable or flower gardens.

With every Cash Order for \$2.00 and over for any seeds, bulbs, fruit trees or spray materials, we will send you free, when requested, one pair of these Hand Gloves. Don't fail to ask for a pair.

DAHLIA—This strain is a decided advance on the ordinary singles. The plants are of strong robust habits, and produce in great abundance flowers of immense size, of the most bewildering variety of coloring. **DOUBLE MIXED COLORS.** Pkt., 10c; oz., \$2.00.

Single Mixed Colors—Contains many desirable shades and markings. Pkt., 10c; oz., \$1.00.

DAISY—They love a shady place and will reward the gardener with a mass of blooms if left undisturbed.

Double Mixed Colors—Pkt., 10c; oz., \$2.00.

Daisy, Shasta—Pure white; gigantic; will bloom in six months from seeding. Pkt., 10c.

ESCHSCHOLTZIA (California Poppy)—A genus of the poppy family. Hardy annuals; height 1 foot.

Mixed Colors—Pkt., 5c; oz., 40c.

Eschscholtzia, Golden West—Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. Pkt., 5c; oz., 35c.

EUPHORBIA (Snow on the Mountain)—An exceedingly ornamental plant. Used as a background for low growing plants. The foliage is light green with white margin. 2 feet high. Pkt., 5c; oz., 50c.

FORGET-ME-NOT—Six inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Mixed—many varieties. Pkt., 5c; oz., 80c.

FOXGLOVE (Digitalis)—Grows to the height of 3 to 4 feet, with dense spikes of brilliantly colored flowers. Mixed colors. Pkt., 5c; oz., 60c.

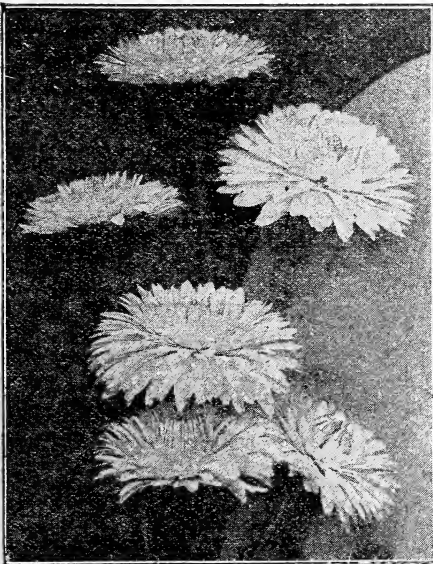
FOUR O'CLOCK (Marvel Peru)—Mixed. The flowers open about 4 o'clock in the afternoon, remaining open all night. Hardy annual; 2 feet high. Pkt., 5c; oz., 25c.

GAILLARDIA—Blanket flower, showy and excellent for beds or for cutting. Hardy annual, ½ foot high, mixed. Pkt., 5c; oz., 80c.

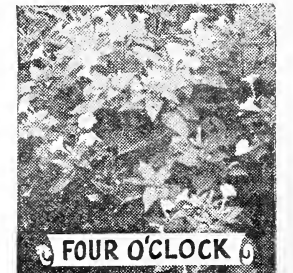
GLOBE AMARANTH (Bachelor's Button)—A single plant will produce several hundred flowers. Mixed colors. Pkt., 5c; oz., 35c.



DOUBLE CORN FLOWER



Double Daisy



FOUR O'CLOCK

GODETIA—An attractive annual, grows 2½ feet in height, produces showy blossoms in all varied colors. Fine as a cut flower.

Tall Carmine Godetia—Pkt., 10c; oz., \$1.50.

Tall Pink Godetia—Pkt., 10c; oz., \$2.00.

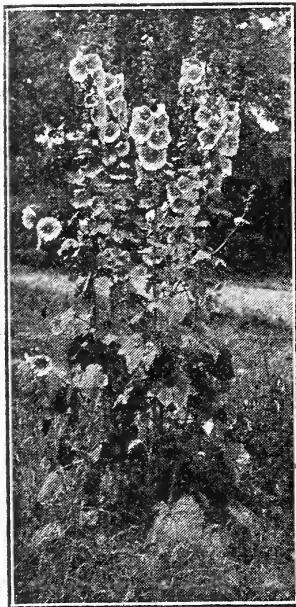
GOURDS—A tribe of climbers with curiously shaped and colored fruit. Tender annual; 10 to 20 feet high. Pkt., 5c; oz., 35c.

GYPSOPHILA (Baby's Breath)—Graceful, free flowering plant, forming a symmetrical bush, covered with loose panicles of flowers; excellent for cutting and mixing in bouquets. Pkt., 5c; oz., 30c.

HELICHRYSUM—Hardy annual everlasting flower, large double blooms called the Straw Flower; mixed colors. Pkt., 5c; oz., 60c.

HELIOTROPE—Will bloom as easily from seed as any of the common annuals. Pkt., 10c; oz., \$1.50.

HYACINTH or Jack Bean—A rapid growing annual climber; mixed; all colors. Pkt., 5c; oz., 20c.



Hollyhocks

HOLLYHOCKS—Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming.

Double Red Hollyhock—Pkt., 10c; oz., \$2.00.

Double Pink Hollyhock—Pkt., 10c; oz., \$2.00.

Double White Hollyhock—Pkt., 10c; oz., \$2.00.

Double Yellow Hollyhock—Pkt., 10c; oz., \$2.00.

Double Mixed Hollyhock—Pkt., 10c; oz., \$1.50.

Single Mixed Hollyhock—Pkt., 10c; oz., \$1.00.

ICE PLANT—A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The flower is white and pink. Pkt., 5c; oz., 50c.

JOB'S TEARS—An ornamental grass with curious shape seed, which may be used as beads; height 2 to 3 feet. Pkt., 5c; oz., 25c.

KOCHIA or Summer Cypress—Grows quickly from seed sown in the open ground. The bushy plants resemble balls of fire; makes a good summer hedge. Pkt., 5c; oz., 35c.

KUDZU VINE—A rapid growing hardy climber of great merit, growing 8 to 10 feet the first season from seed. Flowers are pea shaped, of a rosy purple color. Pkt., 10c; oz., 75c.

LARKSPUR—The Larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Tall annual.

Sky Blue Larkspur—Pkt., 10c; oz., 80c.

Pure White Larkspur—Pkt., 10c; oz., 80c.

Rosy Scarlet Larkspur—Pkt., 10c; oz., \$1.00.

Shell Pink Larkspur—Pkt., 10c; oz., \$1.00.

Finest Mixed Larkspur—Pkt., 5c; oz., 50c.

PERENNIAL LARKSPUR—The hardy kind.

Light Blue Perennial Larkspur—Pkt., 15c.

Dark Blue Perennial Larkspur—Pkt., 15c.

Mixed Colors Perennial Larkspur—Pkt., 10c.

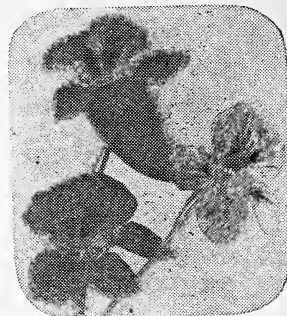
LOBELIA—A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. Pkt., 5c; oz., \$1.00.

NASTURTIUMS

Culture—Annual. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing exceeds Nasturtiums. All they need is a moderately good soil in a well drained, sunny position.

Dwarf Choice Mixture—A magnificent strain containing countless shades, colors, stripes, blotches and veinings. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., \$1.00; postpaid.

Choice Tall Mixed—Giant flowers, the plants producing a profusion of bloom. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c; postpaid.



Nasturtiums

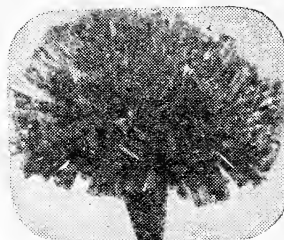
MARIGOLD—Hardy annuals, in bloom till frost comes.

Tall Mixed—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Pkt., 5c; oz., 50c.

Dwarf French—Fine for edging and bedding. Pkt., 5c; oz., 50c.

MIGNONETTE—A well known hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost.

Sweet Mignonette—Pkt., 5c; oz., 25c.



Marigold

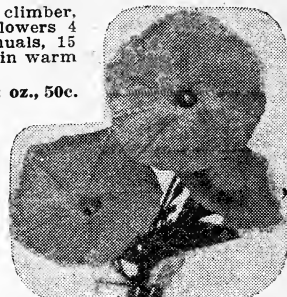
MOON FLOWER—A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm sunny place.

White Moon Flower—Pkt., 10c; oz., 50c.

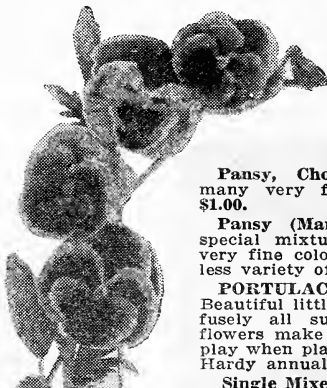
Bona Nox—Blue Moon Flower. Large and fragrant. Pkt., 10c; oz., 75c.

MORNING GLORY—A hardy climbing annual, growing about 10 feet high. Flowers exist in a great variety of colors, tints and markings. Choice mixed. Pkt., 5c; oz., 10c.

Japanese Mixed—New Improved Japanese Convolvulus flower, measuring from 4 to 5 inches across; great variety of colors. Pkt., 5c; oz., 25c.



Moonflower



Pansies

PANSIES

These popular flowers thrive best on a cool, moist but well drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

Pansy, Choice—A splendid mixture of many very fine varieties. Pkt., 5c; oz., \$1.00.

Pansy (Mammoth Flowering, Mixed)—A special mixture of all the Giant Pansies; very fine colorings; contain an almost endless variety of shades. Pkt., 10c; oz., \$1.50.

PORTULACA—Also called Rose Moss. Beautiful little plants which will bloom profusely all summer. Their richly colored flowers make an effective and brilliant display when planted in large beds and masses. Hardy annual, ½ foot.

Single Mixed—Pkt., 5c; oz., 60c.

Double Mixed—Pkt., 10c; oz., \$3.00.

COLLECTION OF CONIFEROUS EVERGREENS

The following six fine plants, all balled and baled, only \$4.95.

2 Chinese Arborvitae, 24-36 inches.

1 Rosedale Arborvitae, 12-15 inches.

1 Golden Pyramidal Arborvitae, 15-18 inches.

2 Dwarf Golden Arborvitae, 12-15 in.

You will be well pleased with these Evergreens. Price, \$4.95, f. o. b. nursery.

COLLECTION OF BROAD LEAF EVERGREENS

The following ten Broad Leaf Evergreens will make a fine collection, only \$4.45.

3 Abelia Grandiflora, 15-18 inches.

3 Enonymus Japonicus, 15-18 inches.

3 Ligustrum Nepalense, 15-18 inches.

1 Nandina Domestica, 12-15 inches.

These will grow in almost any situation. Price, only \$4.45, f. o. b. nursery.

COLLECTION OF SIX FINE TWO-YEAR FIELD GROWN ROSES

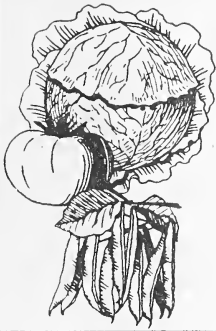
Only \$1.60

2 Radiance, Shell Pink.

2 Columbia, Rose Pink.

2 Premier, Deep Pink.

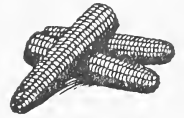
All extra fine, strong, bushy plants that will live and bloom. By parcel post 20c extra.



RUSSELL-HECKLE'S

GREEN INK QUANTITY PRICE LIST

NO. 58



PARCEL POST—If you order from this list to come by parcel post, be sure to include money for postage.
NON-WARRANTY—Russell-Heckle Seed Company gives no warranty express or implied, as to description, quality, productiveness of any seeds, or plants they send out, and they will not be in any way responsible for the crop.

BEANS—Bush, Green and Wax Pod

60 lbs. to Bushel. Catalog Page No. 24.	Gal.	Peck	Bu.
Black Valentine	\$1.85	\$3.25	\$12.00
Bountiful	3.00	5.75	21.50
Burpee's Stringless Green Pod	2.50	4.40	17.00
Full Measure	2.50	4.40	17.00
Giant Stringless Green Pod	2.55	4.75	18.00
Improved Red Valentine	2.10	4.00	15.00
Long Fellow	1.80	3.35	12.50
Stringless Refugee	2.25	4.40	17.00
Tennessee Green Pod	1.90	3.50	12.50
Currie's Rust Proof Wax	2.10	4.00	15.00
Improved Golden Wax	2.00	3.75	14.25
Prolific Black Wax	2.00	3.75	14.25
Round Pod Wax	1.90	3.50	12.50
Sure Crop Wax	1.90	3.50	12.50
Webber Wax	2.00	3.75	14.25
Great Northern or Montana White	1.45	2.70	10.00
Red Kidney	1.50	2.75	10.25
White Kidney	1.50	2.75	10.25
White Marrow	1.50	2.75	10.25
White Navy	1.45	2.70	10.00

BEANS—Bush Lima

60 lbs. to Bushel. Catalogue Page No. 25.	Gal.	Peck	Bu.
Burpee's Improved Bush Lima	\$1.85	\$3.50	\$13.20
Fordhook Bush Lima	3.15	6.00	23.00
Henderson Bush Lima	1.50	2.75	10.50
Never Fail Bush Lima	1.40	2.60	10.25
Wood's Prolific Bush Lima	1.60	3.00	11.00

BEANS—Pole or Running

60 lbs. to Bushel. Catalogue Page No. 25.	Gal.	Peck	Bu.
Burpee's Stringless Green Pod	\$1.60	\$3.10	\$11.50
Kentucky Wonder or Old Homestead	1.50	2.75	10.50
Kentucky Wonder Wax	1.60	3.00	11.00
McCaslan	1.55	2.95	10.80
Red Speckled Cut Short	1.50	2.75	10.50
Scotia or Striped Cornfield	1.35	2.60	10.00
White Creasback	1.35	2.60	10.00
Southern Prolific	1.35	2.60	10.00
Tennessee Wonder	1.50	2.75	10.50

BEANS—Pole Lima

60 lbs. to Bushel. Catalogue Page No. 25.	Gal.	Peck	Bu.
Burpee's Giant Pod Lima	\$1.60	\$3.00	\$11.50
Carolina Sieva	1.40	2.75	10.50
Calico or Speckled Lima	1.60	3.00	11.50
King of the Garden Lima	1.60	3.00	11.50
Large White Lima	1.50	2.85	11.00
Willow Leaf Lima	1.40	2.75	10.50

BEETS

Catalogue Page No. 26.	1 lb.	5 lbs.	10 lbs.
Crosby's Egyptian	\$.50	\$2.20	\$4.00
Detroit Dark Blood	.50	2.25	4.25
Early Blood Turnip	.45	2.10	4.00
Eclipse Blood Turnip	.45	2.10	4.00
Edmand's Blood Turnip	.45	2.10	4.00
Extra Early Egyptian	.45	2.10	4.00
Long Smooth Blood	.50	2.25	4.25
R. H. Co.'s Early Wonder	.50	2.25	4.25
Giant Feeding Sugar	.40	1.75	3.00
Klein Wanzleben Sugar	.40	1.75	3.00
Golden Tankard Mangel	.40	1.75	3.00
Mammoth Long Red Mangel	.40	1.75	3.00

CABBAGE

Catalogue Page No. 27.	1 lb.	5 lbs.	10 lbs.
All Seasons	\$1.25	\$6.00	\$10.00
All Head Early	1.20	5.75	9.50
Charleston or Large Wakefield	1.25	6.00	10.00
Copenhagen Market	2.00	8.75	15.00
Drumhead Savoy	1.25	6.00	10.00
Early Drumhead	1.20	5.75	9.50
Early Flat Dutch	1.20	5.75	9.50
Early Jersey Wakefield	1.25	6.00	10.00
Golden Acre	3.00	12.75	25.00
Large Late Drumhead	1.20	5.75	9.50
Large Late Flat Dutch	1.20	5.75	9.50
R. H. Co.'s Eureka	3.50	15.00	27.50
Succession	1.20	5.75	9.50

CANTALOUPES

Catalogue Page No. 32.	1 lb.	5 lbs.	10 lbs.
Acme or Baltimore	\$.75	\$3.50	\$6.00
Early Green Nutmeg	.75	3.50	6.00
Hale's Best	.70	3.25	5.75
Hearts of Gold	.75	3.50	6.00
Large Hackensack	.90	4.00	7.00
Mammoth Rocky Ford	.90	4.00	7.00
Osage Gem	.75	3.50	6.50
Pink Meat Rocky Ford	.85	3.75	6.50
Rocky Ford	.75	3.50	6.00
Tip Top Nutmeg	.75	3.50	6.50

CARROTS

Catalogue Page No. 26.	1 lb.	5 lbs.	10 lbs.
Danver's Half Long	\$.80	\$3.00	\$5.50
Half Long Scarlet	.80	3.00	5.50
Improved Long Orange	.65	2.50	4.75
Oxheart	.65	2.50	4.75
White Belgian for cattle	.50	2.40	4.50

COLLARDS

Catalogue Page No. 27.	1 lb.	5 lbs.	10 lbs.
Georgia White Cabbage	\$.60	\$2.75	\$5.00
Southern or Georgia	.60	2.75	5.00
North Carolina Bumcombe	.60	3.00	5.25

CORN—Garden

56 lbs. to Bushel. Catalogue Pages 28-29.	Gal.	Peck	Bu.
Early Large Adams	\$.70	\$1.15	\$4.40
Elam's Early Market	.70	1.20	4.50
Extra Early Adams	.70	1.15	4.40
Improved Adams	.75	1.20	4.50
R. H. Co.'s Early Surprise	.75	1.10	3.75
Snowflake	.70	1.00	3.50
Trucker's Favorite	.70	1.00	3.50

CORN—Sweet

Sold by Measure. Catalogue Pages No. 28-29.	Gal.	Peck	Bu.
Borden's Wonder Bantam	\$1.20	\$2.40	\$8.75
Burbank's Golden Bantam	1.25	2.40	8.75
Country Gentleman	1.00	1.90	6.50
Golden Bantam	1.00	1.75	6.25
Golden Giant	1.00	1.90	6.50
Golden Sunshine	1.50	2.25	8.50
Howling Mob	1.00	1.90	6.50
Mammoth Sugar	1.00	1.90	6.50
Stowell's Evergreen	1.00	1.90	6.50
Whippel's Early White	1.20	2.00	7.00
Whippel's Early Yellow	1.20	2.00	7.00

CUCUMBERS

Catalogue Page No. 30.	1 lb.	5 lbs.	10 lbs.
Chicago Pickle	\$.80	\$3.50	\$6.50
Davis Perfect	.80	3.50	6.50
Early Fortune	.80	3.50	6.50
Early Green Cluster	.75	3.25	6.00
Evergreen White Spine	.75	3.25	6.00
Extra Early Long Green	1.00	4.00	7.50
Everbearing	.80	3.50	6.50
Improved Early White Spine	.75	3.25	6.00
Improved Long Green	1.00	3.75	7.00
Stay Green	1.20	4.50	8.50

KALE

Catalogue Page No. 30.	1 lb.	5 lbs.	10 lbs.
Dwarf Green Curled	\$.50	\$2.25	\$4.00
Tall Curled Scotch	.60	2.75	5.00

LETTUCE

Catalogue Page No. 31.	1 lb.	5 lbs.	10 lbs.
Big Boston	\$1.00	\$4.50	\$8.50
Large White Cabbage Head	.90	3.75	7.00
New York or Wonderful	1.35	6.25	12.00
Prizehead	.90	3.75	7.00

MUSTARD

Catalogue Page No. 32.	1 lb.	5 lbs.	10 lbs.
Chinese Mammoth	\$.40	\$1.75	\$3.00
Elephant Ear	.45	1.75	3.00
Florida Broad Leaf	.60	2.50	4.50
Ostrich Plume	.40	1.75	3.00
Southern Giant Curled	.35	1.50	2.75
White London	.35	1.25	2.25

OKRA

Catalogue Page No. 34.	1 lb.	5 lbs.	10 lbs.
Dwarf Green.....	\$.50	\$2.00	\$3.50
Dwarf Stalk Long Green.....	.65	2.50	4.50
Tall or Long Green.....	.45	1.75	3.00
White Velvet.....	.40	1.75	3.00

ONION SEED

Catalogue Page No. 34.	1 lb.	5 lbs.	10 lbs.
Large Red Wethersfield.....	\$1.40	\$6.50	\$12.00
Yellow Globe Danvers.....	1.35	6.50	12.00
Prizetaker.....	1.45	7.00	13.00
Southport White Globe.....	2.10	10.00	18.50
White Silver Skin.....	1.90	9.00	16.50
Yellow or Straw Colored Bermuda.....	2.40	11.25	20.00

ONION SETS

Catalogue Page No. 34.	1/4-Bu.	1/2-Bu.	Bu.
Red Wethersfield, bu. 32 lbs.....	\$.90	\$1.65	\$3.00
Yellow Danvers, bu. 32 lbs.....	.90	1.65	3.00
White Silver Skin, bu. 32 lbs.....	1.10	2.00	3.75
White Multiplier, bu. 28 lbs.....	1.35	2.50	4.75

PARSLEY

Catalogue Page No. 34.	1 lb.	5 lbs.	10 lbs.
Champion Moss Curled.....	\$.75	\$3.50	\$6.00
Double Curled.....	.75	3.50	6.00

PARSNIP

Catalogue Page No. 34.	1 lb.	5 lbs.	10 lbs.
Sugar or Hollow Crown.....	\$.60	\$2.75	\$4.50

PEAS—English, Smooth

60 lbs. to Bushel. Catalogue Page No. 35.	Gal.	Peck	Bu.
Amcer.....	\$1.25	\$2.50	\$9.75
Early Alaskan.....	1.00	2.00	7.75
Large White Marrowfat.....	1.00	2.00	7.75
R. H. Co.'s First of All.....	1.50	2.50	9.50

PEAS—English, Wrinkled

56 lbs. to Bushel. Catalogue Page No. 35.	Gal.	Peck	Bu.
American Wonder.....	\$1.40	\$2.75	\$10.50
Bliss Everbearing.....	1.40	2.70	10.25
Champion of England.....	1.40	2.50	9.50
Gradus or Prosperity.....	1.35	2.60	10.00
Hundred Fold.....	1.75	3.00	11.00
Laxtonian.....	1.40	2.80	11.00
Laxton's Progress.....	1.50	2.90	11.00
Little Marvel.....	1.50	2.90	11.00
McLean's Little Gem.....	1.40	2.75	10.50
Nott's Excelsior.....	1.40	2.75	10.50
Telephone.....	1.35	2.60	10.00
Thos. Laxton.....	1.40	2.70	10.25

PEPPER

Catalogue Page 36.	1/2-lb.	1 lb.	5 lbs.
Bell or Bull Nose.....	\$1.40	\$2.75	\$12.50
California Wonder.....	2.00	3.75	17.50
Chinese Giant.....	2.25	4.25	20.00
Harris Earliest Giant.....	2.00	4.00	18.75
Long Red Cayenne.....	1.35	2.50	11.25
Ruby King.....	1.40	2.75	12.50
Ruby Giant.....	1.75	3.25	15.00
Wolfebeater.....	1.75	3.25	15.00

PUMPKIN

Catalogue Page No. 37.	1 lb.	5 lbs.	10 lbs.
Connecticut Yellow Field.....	.40	2.00	3.50
Kentucky Yellow Field.....	\$.35	\$1.25	\$2.25
King of the Mammoth.....	.85	4.00	7.50
Striped Cushaw.....	.80	3.75	6.50
Tenn. Sweet Potato.....	.85	4.00	7.50
Small Sugar.....	.85	4.00	7.50
White Cushaw.....	.70	3.50	6.00

RADISH

Catalogue Page No. 37.	1 lb.	5 lbs.	10 lbs.
Chartier or Shepard.....	\$.45	\$2.00	\$3.75
Cooper's Sparkler.....	.50	2.00	3.50
Early Long Scarlet Short Top.....	.45	1.75	3.00
Early Scarlet Globe.....	.50	2.00	3.75
Early Scarlet Turnip.....	.45	1.75	3.00
Early Scarlet Turnip White Tip.....	.50	2.00	3.50
French Breakfast.....	.45	1.75	3.00
Icicle.....	.45	1.75	3.00
R. H. Co.'s Perfection White Tip.....	.50	2.00	3.50
Re-Selected Cooper's Sparkler.....	.60	2.25	4.00

SALISFY

Catalogue Page No. 37.	1 lb.	5 lbs.	10 lbs.
Mammoth Sandwich Island.....	\$1.60	\$7.50	\$13.50

SPINACH

Catalogue Page No. 38.	1 lb.	5 lbs.	10 lbs.
Broadleaf Flanders.....	\$.35	\$1.50	\$2.25
Bloodsdales Curled Savoy.....	.35	1.50	2.25
Eskimo Giant.....	.45	1.75	2.75
King of Denmark.....	.45	1.75	2.75
Long Standing Bloodsdales Savoy.....	.45	1.75	2.75
Princess Juliana.....	.45	1.50	2.50

100-lb. lots 5c lb. less.

SWISS CHARD

Catalogue Page No. 38.	1 lb.	5 lbs.	10 lbs.
Lucullus.....	\$.60	\$2.25	\$4.00

SQUASH

Catalogue Page No. 37.	1 lb.	5 lbs.	10 lbs.
Early White Bush.....	\$.85	\$3.50	\$6.25
Golden Custard.....	.80	3.25	6.00
Giant Yellow Crookneck.....	.90	3.75	7.00
Mammoth White Bush.....	.85	3.50	6.25
Yellow Summer Crookneck.....	.90	3.75	7.00

TOMATO

Catalogue Pages 39-40.	1/2-lb.	1-lb.	5 lbs.
Acme.....	\$1.60	\$3.15	\$15.00
Early Detroit.....	1.80	3.40	16.25
Gulf State Market.....	1.90	3.75	17.50
Livingston's Globe.....	1.90	3.75	17.50
Livingston's Globe (Livingston's Stock).....	2.50	4.50	20.00
Marglobe.....	1.90	3.75	17.50
Bonny Best.....	1.25	2.20	10.00
Norton Wilt Resistant.....	1.40	2.75	12.50
Ponderosa.....	2.25	4.25	20.00
R. H. Co.'s Red Head Special.....	2.50	4.50	21.00
New Stone.....	1.00	1.75	8.00

TURNIP

Catalogue Page No. 41.	1 lb.	5 lbs.	10 lbs.
Ex. Ea. Purple Top Milan.....	.45	2.25	3.75
Ex. Ea. White Milan.....	.45	2.25	3.75
Ex. Ea. White Egg.....	.30	1.50	2.50
Large Amber Globe.....	\$.30	\$1.50	\$2.50
Large White Globe.....	.30	1.50	2.50
Mammoth Purple Top White Globe.....	.30	1.50	2.50
Red or Purple Top Strap Leaf.....	.30	1.50	2.40
R. H. Co.'s American Red Top Globe.....	.45	2.25	4.00
Southern Seven Top.....	.30	1.50	2.50
White Flat Dutch Strap Leaf.....	.30	1.50	2.50
Yellow Aberdeen.....	.30	1.50	2.50
Improved Purple Top Yellow Rutabaga.....	.30	1.50	2.50

WATERMELONS

Catalogue Pages No. 33.	1 lb.	5 lbs.	10 lbs.
Black Diamond.....	\$.75	\$3.75	\$7.00
Georgia Rattlesnake.....	.75	3.50	6.50
Halbert Honey.....	.90	4.25	8.00
Irish Grey.....	.90	4.25	8.00
Kleckley's Sweet.....	1.10	5.00	9.00
New Wonder.....	1.10	5.00	9.00
Stone Mountain.....	1.50	7.00	13.50
Thurmond Grey.....	.90	4.00	7.50
Tom Watson.....	.90	4.25	8.00
Tom Watson Extra.....	1.50	7.00	12.00
Schlocher.....	1.75	8.00	15.00

POP CORN

Catalogue Page No. 17.	10 lbs.	25 lbs.	100 lbs.
Japanese Rice.....	\$1.50	\$3.25	\$12.00
Queen's Golden.....	1.40	3.10	11.50
White Rice.....	1.00	2.40	8.50
Borden's Baby Rice.....	1.75	4.00	15.00

BAYER'S DIP DUST AND SEMESAN

Makes larger yields of Corn, Potatoes and Vegetables.
Catalogue Pages No. 22-27-55. By express only. Not available.

4-oz. tin.....	\$.50
1-lb. tin.....	1.75
5-lb. tin.....	8.00

SEMESAN JR. AND SEMESAN BEL.

4-oz. tin.....	\$.50
1-lb. tin.....	1.75
5-lb. tin.....	8.00
25-lb. pail.....	31.25

SEMESAN—A GENERAL DISINFECTANT.

2-oz. tin.....	\$.50
1-lb. tin.....	2.75
5-lb. tin.....	13.00

CERESAN—FOR OATS, WHEAT, SORGHUM, ETC.

8-oz. tin.....	\$.50
1-lb. tin.....	.75
5-lb. tin.....	3.00

All F.O.B. Memphis.

BERMUDA ONION PLANTS

Catalogue Pages No. 3-34.	F. O. B. Memphis
Crystal White Wax.....	1,000 6,000 30,000
Yellow or Straw Colored.....	\$1.25 \$4.50 \$21.00
Packed in original crates, 6,000 to crate.	1.00 4.20 19.50

	F. O. B. Growing Sta.	
Crystal White Wax.....	4.20	19.50
Yellow or Straw Colored.....	3.90	18.00

FROST PROOF CABBAGE PLANTS

Catalogue Page No. 3.	F. O. B. Memphis
Charleston Wakefield, Early Flat Dutch.....	1,000 5,000 10,000
Jersey Wakefield.....	\$2.00 \$8.75 \$15.00
Prices F. O. B. Growing Station, any variety.....	2.00 8.75 15.00
Prices F. O. B. Growing Station, any variety.....	1.50 6.25 10.00

SWEEP POTATO SLIPS—Certified

Catalogue Page No. 3-36.	Ready March 15.
Shipped direct from growers. (By express only.)	500 1,000 5,000
Certified Nancy Hall.....	\$1.75 \$3.25 \$13.75
Certified Porto Rican.....	1.75 3.25 13.75
Prices subject to market changes.	

CULTURES OR INOCULATIONS FOR ALL LEGUMES

Catalogue Pages 12-13.

For Alfalfa, Alsike, Crimson, Red, Sweet and White Clovers.
R. H. Co.'s Top Notch Culture.

1/2-bu. size	1.00
1-bu. size	1.00
5-bu. size	4.00

Mulford Culture.

1/2-bu. size	1.00
1-bu. size	1.00
2 1/2-bu. size	2.25
10-bu. size	8.00

Nitragin Culture.

1/2-bu. size	1.00
1-bu. size	1.00
5-bu. size	4.75

For Cow Peas, Soy Beans and Vetch.

R. H. Co.'s Top Notch Cultures.

1-bu. size	2.00
5-bu. size	2.00

Mulford Culture.

1-bu. size	2.00
2-bu. size	1.00
5-bu. size	2.25
10-bu. size	4.00

Nitragin Culture

1/2-bu. size	1.00
1-bu. size	1.00
5-bu. size	4.75

Garden Size for Garden Beans, Peas, Sweet Peas.

R. H. Co.'s Top Notch Culture, bottle	.25
Mulford Culture, bottle	.25
Nitragin Culture, can	.20

CLOVER SEED—Top Notch Brand

Catalogue Pages 4-5.

Alfalfa, Dakota 12, bu. 60 lbs.	33.50	10 lbs.	18.60	100 lbs.	30.00
Alfalfa, Grimm, bu. 60 lbs.	5.00		27.75		45.00
Alfalfa, Hairy Peruvian, bu. 60 lbs.	2.80		15.60		25.00
Alfalfa, North Western, bu. 60 lbs.	3.30		17.10		27.50
Alfalfa, Western, bu. 60 lbs.	2.80		15.60		25.00
Alfalfa, Disco 28, bu. 60 lbs.	4.50		22.80		37.00
Alsike Clover, bu. 60 lbs.	4.20		23.00		37.00
Lespedeza Japan, bu. 25 lbs.					
Mammoth Sapling Red, bu. 60 lbs.	4.40		24.00		39.00
Mellilotus White, Sweet Clover, Scarified, bu. 60 lbs.	1.50		7.25		11.25
Red Clover, Bu. 60 lbs., native	4.20		22.80		37.00
Red Clover, bu. 60 lbs., imported	3.20		16.80		27.00
White Dutch, bu. 60 lbs.	4.00		19.80		32.00

GRASS SEEDS—Top Notch Brand

Catalogue Pages 6-7.

Bermuda Grass, bu. 40 lbs.	4.00	10 lbs.	14.50	100 lbs.	35.00
Billion Dollar Grass, bu. 40 lbs.	1.10		4.25		9.50
Canada Blue Grass, bu. 14 lbs.	3.50		4.90		30.00
Carpet Grass, bu. 14 lbs.	2.80		3.90		24.00
Chicken Pasture Mixture, bu. 40 lbs.	1.20		4.40		10.00
Dallas Grass, bu. 10 lbs.	6.00		6.00		
English or Perennial Rye Grass	1.75			15.00	
Evergreen Lawn Grass, bu. 14 lbs.	3.00		4.20		28.00
Italian Rye Grass	1.75			15.00	
Kentucky Blue Grass, bu. 14 lbs.	4.00		5.60		36.00
Meadow Fescue or English Blue Grass, bu. 14 lbs.	3.00		4.20		26.00
Orchard Grass, bu. 14 lbs.	2.70		3.25		23.00
Pasture Grass Mixed, Nos. 2-3-4, bu. 14 lbs.	2.80		3.90		24.50
Red Top Herd's Fancy, bu. 40 lbs.	2.50		9.20		22.00
Shady Spot Lawn, bu. 14 lbs.	4.50		6.25		38.00
Sudan Grass, bu. 40 lbs.	.75		2.60		5.75
Tall Meadow Oat, bu. 10 lbs.	3.00		3.00		24.00
Timothy Seed, bu. 45 lbs.	1.25		4.75		10.00
Timothy and Alsike Mixed, bu. 50 lbs.	2.25		10.00		19.00

HARPETH VALLEY SEED CORN

Catalogue Page No. 16.

Tennessee Grown, Extra Fancy.		2 1/2 Bu.	
Champion Early White Dent	3.45	Per Bag	\$3.00
Early Yellow Dent	3.15	Bu. Per Bu.	3.00
Giant Tennessee Red Cob	3.15		3.00
Hickory King	3.15		3.00
Harpeth Valley Paymaster	3.15		3.00
Hastings Prolific	3.15		3.00
Large Golden Yellow Dent	3.15		3.00
Mosby Prolific	3.15		3.00

CORN—Field

Bushel 56 lbs. Catalogue Pages 14-17.

Cock's Prolific	3.15	Per Bag	\$3.00
Hasting's Prolific	3.00	Bu. Per Bu.	2.85
Hickory King	3.00		2.85
Iowa Silver Mine	2.50		2.35
Little Willis	3.15		3.00
Mexican June, native grown	2.90		2.75
Mosby Prolific	3.00		2.85
North Carolina	3.00		2.85
R. H. Co.'s Early White Dent	2.50		2.35
R. H. Co.'s Gourd Seed, Red Cob	3.15		3.00
R. H. Co.'s Paymaster	2.75		2.60
St. Charles White Red Cob	2.25		2.10

Snow Flake, Southern Crown	2.50	2.35
Tait's White Dent (very early)	3.15	3.00
Tennessee White Red Cob	2.75	2.60
Woodruff Mosby	3.15	3.00
Iowa Gold Mine	2.50	2.35
Jarvis Golden Prolific	3.00	2.85
Reid's Early Yellow Dent	2.50	2.35
R. H. Co.'s 90 Day Early Yellow Dent	2.50	2.35

COTTON SEED

Catalogue Pages 18-21

Bu. 32 lbs.	100 lbs.	500 lbs.
Bags packed 100 lbs.	32 lbs.	100 lbs.
Acala No. 5 Breeder's Stock	\$2.00	\$5.50 \$5.25
Delfos 910	2.00	5.50 5.25
Delfos 911	2.00	5.50 5.25
Delfos 631	2.00	5.50 5.25
Delfos 6102	2.00	5.50 5.25
Delfos A-2, C-3	2.00	5.50 5.25
Half and Half	1.80	5.00 4.75
King's Improved	1.80	5.00 4.75
Mebane Early Triumph	2.00	5.50 5.25
Rowden Big Boll		Ask Price
Simpkins Prolific	1.80	5.00 4.75
Wannamaker Cleveland	2.00	5.25 5.00
Coker's Cleveland Strain 5	2.00	5.50 5.25
Humco Cleveland Strain 20	2.00	5.50 5.25
Wilson Type Big Boll	2.00	5.50 5.25

STONEVILLE PEDIGREED

COTTONSEED

Catalogue Page 21. In original bags.	100 lbs.	200 lbs.	Car Lots
Delfos 6102-A2, C3	\$6.00	\$110.00	per ton
Delfos 6102-911	6.50	120.00	110.00
Delfos 631-910	6.50	120.00	110.00
Delfos 6102-0245	7.50	135.00	125.00
Delfos No. 2	7.50	135.00	125.00
Stoneville No. 1		Sold Out	
Stoneville No. 2		Sold Out	

All above prices F.O.B. cars.

Leland, Miss.

KAFFIR CORN, MILO, ETC.

Catalogue Page No. 11. Bu. 50 lbs.	Peck	Bu. 100 lbs.
Red Kaffir Corn		Ask Price
Shrook Kaffir	.75	\$2.25 \$4.00
White Kaffir Corn	.75	2.25 4.00
Dwarf Milo Maize	.75	2.25 4.00
Yellow Milo Maize	.75	2.25 4.00
Egyptian Wheat (Shallu.)	1.25	4.50 8.50
Feterita	.75	2.25 4.25
Darso	.80	2.25 4.50

MILLET SEED

Catalogue Page No. 9.	Peck	Bu. 100 lbs.
Hungarian, bu. 48 lbs.	\$1.00	\$3.50 \$6.50
Japanese, bu. 40 lbs.	1.10	3.75 8.50
Pearl or Cat Tail Millet, bu. 50 lbs.	1.75	6.00 11.00
Tennessee Golden, bu. 50 lbs.		Ask Price

OATS

Bushel 32 lbs. Catalogue Page No. 10.	5 Bu.	25 Bu.
Appler	\$1.05	\$.95 \$.90
Early Burt or 90 Day	.95	.90 .85
Fulghum	1.05	.95 .90
Hastings 100 bushel	1.05	.95 .90
Texas Red Rust Proof	.95	.90 .85

PEAS—Stock

Bushel 60 lbs. Catalogue Page No. 12.	5 Bu.	Per Bu.
Blacks		Ask Prices
Clays		Ask Prices
Mixed		Ask Prices
New Era		Ask Prices
Red Ripper		Ask Prices
Whippoorwill or Speckled		Ask Prices
Wonderful or Unknown		Ask Prices
Brown Crowder Peas	1.75	\$6.00 \$
Large White Black Eye	1.90	7.00
White Crowder		Ask Prices
White Cream or Lady	2.75	9.00

PEANUTS

Bushel 22 lbs. Catalogue Page No. 9.	Peck	Bu. 100 lbs.
Spanish	.75	\$2.40 \$9.50
Tennessee Long Red	.75	2.40 9.50
Valencia	1.15	3.90 16.00
White Virginia	.75	2.40 9.50

POTATOES—Irish

Bu. 60 lbs. Catalogue Page No. 36.	Peck	Bu. 2 1/2 Bu.
Early Red Triumph	\$.60	\$1.75 \$4.00
Irish Cobbler	.60	1.75 4.00
Certified Irish Cobbler	.75	2.00 4.50
Certified Red Triumph	.75	2.00 4.50
Lookout Mountain		Prices Later
No. 4 Rose		Prices Later

POTATOES—Sweet

Sold by Measure. Catalogue Page No. 36.	5 Bu.	Per Bu.
Shipped direct from growers March 1st.	Peck	Bu. Per Bu.
Certified Nancy Hall		Prices Later
Certified Porto Rican		Prices Later

SAGRAIN AND SORGHUM SEED

Bu. 50 lbs. Catalogue Page No. 11.	Peck	Bu. 100 lbs.
Sagrain	\$.85	\$2.75 \$5.00
Early Amber	.50	1.60 2.75
Early Orange	.60	1.75 3.25
Japanese Honey	1.10	3.75 7.00
Red Top or Sumac	.60	1.75 3.25
Texas Seeded Ribbon	1.00	3.50 6.50
Sugar Drip	1.00	3.50 6.50

SPECIAL NOTE—We have selected our Syrup Cane Seeds with especial care but it is humanly impossible to guarantee a syrup crop.

SOY, VELVET, MUNG BEANS

Bushel 60 lbs. Catalogue Pages 8-12.	Peck	Bu. Per Bu.
Mung Beans	\$2.25	\$7.75 \$7.50
Biloxi Soy Beans	1.25	4.25 4.10
Laredo Soy Beans		Ask Prices
Mammoth Yellow Soy Beans	.90	3.00 2.85
Otootan Soy Beans		Ask Prices
Virginia Soy Beans	1.00	3.65 3.50
Early Speckled or 100 Day Velvet Beans	.75	2.25 2.00

MISCELLANEOUS FARM SEEDS

Catalogue Pages 11-12.	Peck	Bu. 100 lbs.
Broom Corn, Improved Evergreen, bu. 46 lbs.	\$1.10	\$3.75 \$6.50
Broom Corn, Oklahoma Dwarf, bu. 46 lbs.	1.15	3.80 6.75
Buckwheat, Japanese, bu. 50 lbs.	1.00	2.80 5.25
Buckwheat, Silver Hull, bu. 50 lbs.	1.00	2.80 5.25
Chufas or Earth Almonds, bu. 40 lbs.	1.50	5.50 13.50
Peas, Austrian Winter, bu. 50 lbs.		Prices in August
Peas, Canada Field, bu. 60 lbs.	1.20	4.25 6.50
Rape, Dwarf Essex, bu. 50 lbs.	1.25	4.75 9.00
Speltz or Emmmer, bu. 40 lbs.		Prices Later
Sunflower, Russian, bu. 25 lbs.	.75	2.75 10.00
Thousand Head Kale, bu. 50 lbs.	4.25	16.00 30.00
Vetch, Augusta, bu. 50 lbs.		Prices Later
Vetch, Winter Hairy or Sand, bu. 50 lbs.	2.00	7.50 14.00

FERTILIZERS

Catalogue Page 61.	100 lbs.	2000 lbs.
Agricultural Lime, 40-lb. bags, per bag \$1.00	\$2.00	\$18.50
R. H. Co.'s Acid Phosphate, 16%	1.50	23.50
R. H. Co.'s Bone Meal, 22%	3.25	58.00
R. H. Co.'s Corn Fertilizer, 10-4-4	2.50	45.00
R. H. Co.'s Cotton Fertilizer, 10-3-3	2.25	39.00
R. H. Co.'s Cotton Fertilizer, 15-5-5	2.90	56.00
R. H. Co.'s Kainit, 12%	1.50	23.00
R. H. Co.'s Land Plaster, Agricultural Gypsum	1.50	25.00
R. H. Co.'s Muriat of Potash	3.25	58.00
R. H. Co.'s Nitrate of Soda	3.25	60.00
R. H. Co.'s Pulverized Sheep Manure	2.25	40.00
R. H. Co.'s Sulphate of Ammonia	3.75	70.00
R. H. Co.'s Vegetable Fertilizer, 10-4-4	2.50	45.00
R. H. Co.'s Vegetable Fertilizer, 8-4-4	2.40	42.50
Vigoro, 25 lbs., \$1.75; 50 lbs. \$3.00	5.00	90.00
Loma, 25 lbs. \$2.00; 50 lbs. \$3.50	6.00	110.00

BIRD SEED—In Bulk

Catalogue Page No. 65.	10 lbs.	25 lbs.
Bird Millet	\$.80	\$1.75
Bird Rape	1.15	2.75
Canary Recleaned	.95	2.25
Hemp	.90	2.00
Mixed Bird Seed	.90	2.00

DOG FEED, DOG CAKES

Catalogue Pages Nos. 66-68.	25 lbs.	50 lbs.	100 lbs.
Champion Dog Biscuit	\$2.75	\$5.25	\$9.50
Champion Kibbled Biscuit	3.00	5.50	10.00
Champion Puppy Biscuit	3.00	5.50	10.00
Champion Puppy Meal	3.00	5.50	10.00
Miller's A-1 Dog Biscuit	2.75	5.25	9.50
Miller's A-1 Dog Ration	1.50	3.00	5.50
Miller's A-1 Kibbled Biscuit	2.75	5.25	9.50
Miller's A-1 Puppy Meal	2.75	5.25	9.50
K. F. S. Kibbled Biscuit with Cod Liver Oil	3.00	5.50	10.00
K. F. S. Whole Biscuit with Cod Liver Oil	3.00	5.50	10.00
K. F. S. Whole Biscuit with Meat	2.75	5.25	9.50

CANNED MEAT

Catalogue Page No. 66-68.	25 lbs.	50 lbs.	100 lbs.
Ken-L-Ration, case 48 1-lb. cans.			\$6.00
K. F. S. Canned Meat, case 24 1-qt. cans.			8.00
Doggie Dinner, case 36 18-oz. cans.			4.50
Puppie Dinner, case 36 18-oz. cans.			4.50
Miller's A-1 Quick Lunch Case, 48 1-lb. cans.			6.00
Pup-E-Ration, case 48 1-lb. cans.			6.75

POULTRY, PIGEON FEEDS

Catalogue Pages No. 84-85.	25 lbs.	50 lbs.	100 lbs.
Ballard's No. 1 Pigeon	\$1.20	\$2.25	\$4.35
Ballard's No. 2 Pigeon	1.20	2.25	4.35
Chamberlain's Chick Grain	1.25	2.50	4.75
Conkey's Buttermilk Starter with Y-O	1.25	2.50	4.75

Conkey's Gecco Fine Chick Grain	1.00	1.95	3.70
Conkey's Gecco Coarse or Growing Chick Grain	.95	1.80	3.50
Conkey's Gecco Buttermilk Growing Mash with Y-O	1.15	3.20	4.10
Ful-O-Pep Growing Mash	1.05	2.00	3.90
Ful-O-Pep Chick Grain	.95	1.80	3.50
Ful-O-Pep Chick Starter	1.20	2.35	4.65
Ful-O-Pep Coarse Chick Grain	.90	1.70	3.30
Ful-O-Pep Egg Mash	1.00	1.90	3.75
Ful-O-Pep Hen Scratch	.80	1.50	2.90
Globe Pigeon Feed	1.25	2.40	4.65

OYSTER SHELLS, GRIT, ETC.

Catalogue Page No. 85.	10 lbs.	25 lbs.	100 lbs.
Bone Meal, Chick or Hen	\$.75	\$1.25	\$4.50
Charcoal, Chick or Hen	.60	1.00	3.25
Grit, Chick size	.25	.50	2.00
Grit, Hen size	.25	.50	1.10
Oyster Shell, Chick or Hen	.25	.50	1.00
Red Cross Pigeon Grit	.40	.90	3.20
Palmetto Health Pigeon Grit	.40	.90	3.20

MISCELLANEOUS FEEDS

Catalogue Pages 84-85.	10 lbs.	25 lbs.	100 lbs.
Alfalfa Meal	\$.50	\$1.00	\$2.25
Beef or Meat Scraps	.60	1.25	4.75
Blatchford's Calf Meal		1.50	5.25
Buckwheat	.60	1.25	4.25
Canadian Peas	.80	1.75	6.50
Digester Tankage	.60	1.20	4.50
Dried Buttermilk	1.30	3.00	11.00
Dry Skim Milk	1.20	2.75	10.00
Hulled Oats or Oat Groats	.60	1.25	4.50
Linsced Meal	.60	1.15	4.20
Rolled Oat Meal	.60	1.25	4.50
Schumacker Calf Meal		1.25	4.75
Pin Head Oat Meal	.60	1.15	4.20
Sunflower Seed	1.25	2.75	10.00
Semi-Solid Buttermilk, 5-gal. drum	\$4.00		
¾-bbl., about 140 lbs.	7.50		
With Cod Liver Oil, 5-gal. Drum	4.75		

SPRAY MATERIAL, ETC.

Catalogue Pages 55-57.	10 lbs.	25 lbs.	100 lbs.
Arsenate of Lead, case 12 4-lb. pkgs., 48 lbs.			\$ 8.50
Arsenate of Lead, 100-lb. drum			15.00
Bordeaux Arsenate, case 12 4-lb. pkgs., 48 lbs.			16.50
Bordeaux Mixture, Dry Powder, case 12 4-lb. pkgs., 48 lbs.			7.50
Bordeaux Mixture, Dry Powder, 100-lb. drum			14.00
B. T. S. Scale Destroyer, 25 lbs.			2.50
Calcium Arsenate, 100 lbs.			8.75
Champion Tree Killer, 5 gals.			6.00
Dritomic Sulphur, case 12 4-lb. pkgs., 48 lbs.			7.75
Kayso Spreader, case 48 lbs. \$9.50; 100-lb. bag			18.00
Lime Sulphur, dry, 25 lbs.			3.00
Lime Sulphur, Dry, 100 lbs.			12.00
Lime Sulphur, Dry, 200-lb. drum			20.00
Lime Sulphur Solution, 5-gal. can			3.00
Lime Sulphur Solution, 10-gal. can			5.00
Lime Sulphur Solution, 55-gal. bbl			17.50
Lubricating Oil Emulsion, 5-gal. can			3.00
Lubricating Oil Emulsion, 10-gal. can			5.00
Lubricating Oil Emulsion, 50-gal. bbl			16.00
Paradichlorbenzene, 25 lbs.			7.00
Paradichlorbenzene, 100 lbs.			24.00
Peach Mix, 50 lbs.			5.00
Pomo Dust, 25 lbs.			4.50
Pyrox, 50 lbs.			10.75
Pyrox, 100 lbs.			15.50
Scalecide, 5 gals.			6.25
Scalecide, 10 gals.			10.60
Scalecide, 15 gals.			13.50
Slug Shot, 25 lbs.			2.50
Slug Shot, 100 lbs.			9.50
Sulphur, Powdered or Dusting, 100 lbs.			4.75
Sulfocide, 5 gals.			8.50
Sunoco Spray Oil, 10 gals.			9.50
Terrogen, 10-lb. tin \$4.75; 25-lb. drum			11.00
Tobacco Dust, 100 lbs.			6.50

CROW'S TOX

Catalogue Page No. 57.	10 lbs.	25 lbs.	100 lbs.
Keeps Crows and birds from destroying Corn plantings.			
½-pint	\$1.00	1 pint	\$1.50

E. Z. BOS
Fly and Insect Killer.
Guaranteed the finest fly repellent and insecticide on the market.
Quart60c ½-gallon.....90c gallon.....\$1.50
All prices on this Green Ink List are f.o.b. Memphis, Tenn.,
Buyer paying Express or Freight charges. If wanted by Parcel
Post, add funds for postage. Customers wanting large quantities,
write us for special prices. Send all orders to

RUSSELL-HECKLE SEED CO.

Sales Dept. and Store,
26 South Front St.

MEMPHIS, TENNESSEE

Wholesale Warehouse
Linden Station

PETUNIAS

Culture—Petunias are one of the most popular annuals on account of their ease of cultivation and freedom of blooming, succeeding everywhere and giving a constant supply of flowers from June to October. Height 1½ feet.

Choice Single Mixed—Good mixture of all free blooming colors. Pkt., 5c; oz., 60c.

Mammoth Flowering—Large flowering Grandiflora, all colors mixed, single fringed and ruffled. Pkt., 10c; oz., \$1.50.

Rosy Morn Petunia—Soft carmine pink with white throat; fine for borders, being free flowering and showy. Pkt., 10c; ½ oz., \$1.25; oz., \$2.50.

Striped and Blotched—Includes striped or fine mixed flowers in a wide range of colors. A fine bedder. Pkt., 10c; oz., \$2.00.



Petunia

Rose of Heaven—Dwarf sort, compact in growth, a rich pink color. Pkt., 10c; oz., \$2.50.

General Dodd—Single deep rich velvety red, fine bedder. Pkt., 10c; oz., \$1.50.

Double Mixed—Will come 70 per cent double from seed. Finest mixed. Pkt., 25c.

Giants of California Petunia—The finest strain of large flowering Petunia. The flower often measures 5 inches across—a grand mixture that will please you. Pkt., 50c.

Balcony—A splendid large and free flowering type either for vases, hanging baskets or window boxes; flowers average 3 inches across, making a very effective display. Mixed colors. Pkt., 20c.

Howard's Star—Compact-growing variety; flowers striped and blotched. Pkt., 10c; oz., \$2.00.

Snowball—Single large pure white, good bloomer. Pkt., 10c; oz., \$1.50.

Countess of Ellsmere—Single deep rose pink with white throat, desirable bedding variety. Pkt., 10c; oz., \$1.50.

PHLOX DRUMMONDI—The annual Phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

Choice Mixed—Contains fine select varieties of this showy annual. Pkt., 5c; oz., 80c.



Mammoth Flowering Phlox

Mammoth Flowering Mixed—Pkt., 10c; oz., \$1.25.

Fireball—Flowers large, blood red. Pkt., 10c.

Snowball—Large, clear white flower. Pkt., 10c.

Star of Quedlinburg—Large flowers with curiously pointed and toothed blossoms having a star-like form, mixed colors. Pkt., 10c; oz., \$1.50.

Perennial Mixed Colors—Pkt., 10c; oz., \$2.50.

RICINUS ZANZIBARIENSIS—Leaves very large, having a brilliant luster of bright green, red and bronze colors. Grows 10 to 15 feet high. Mixed colors. Pkt., 10c; oz., 25c.

Mixed Ricinus—Pkt., 5c; oz., 20c.

RUDBECKIA (Golden Glow)—Fine free-flowering annual variety. The disc is brown, the florets golden yellow, with large velvety brown spots at the base. Very effective and useful for cutting. Pkt., 10c; oz., \$1.00.

PINKS (Dianthus)—Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture.

China Double Mixed—Pkt., 5c; oz., 50c.

Clove Pink Plumaris—The flowers are large, borne in a great variety of colors and markings, with fringed edges; sweet scented, spicy fragrance. They are excellent, hardy plants. Pkt., 10c; oz., \$1.50.



Pinks

Double Diadem—A most brilliant mixing of colors of bewildering beauty. Pkt., 5c; oz., 80c.

Heddewigii Double Mixed—Flowers very large and double and of various shades of brilliant colors. Pkt., 5c; oz., 60c.

Pheasant's Eye or Grass Pink—A single hardy perennial pink, with light colored flowers which have a dark center. Pkt., 10c; oz., \$1.00.

POPPIES—Annual and perennial plants of very easy culture, which furnish some of the most brilliant colors in the garden. Being very hardy, they can be sown as early in the spring as the ground is in working order and the annual varieties will flower from June on for some weeks.

American Legion—Brilliant orange-scarlet. Pkt., 10c; oz., 80c.

Double, Fine Mixed—A combination of all varieties, single and double flowers. Pkt., 5c; oz., 35c.

Double Carnation Flowered—Extra large and double. Pkt., 5c; oz., 35c.

Double Shirley—A new double Shirley. Pkt., 10c; oz., 75c.

Double Peony Flowered—Annual variety; mixed; large, full, double fringed flowers. Pkt., 5c; oz., 35c.



Poppy

Shirley—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt., 5c; oz., 35c.

Flanders—Vivid red, well known Poppy of Flanders. Pkt., 10c; oz., 60c.

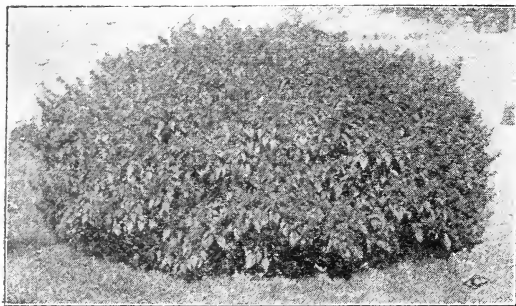
Double Pink Poppy—A beautiful satin pink. Pkt., 10c; oz., 80c.

Double Red Poppy—Fine scarlet shade. Pkt., 10c; oz., 80c.

Double White Poppy—Purest white. Pkt., 10c; oz., 80c.

Perennial Poppy—These are hardy. Come up every year. Mixed colors. Pkt., 10c.

SALVIA or Scarlet Sage—A standard bedding and border plant, keeping the garden bright with dazzling scarlet flowers during the summer and fall, also makes a fine pot plant. Start early indoors and transplant in May; or sow outdoors later in a light rich soil. Soak the seeds before planting.



Salvia or Scarlet Sage

Clara Bedmans—Flowers of a most brilliant, dazzling scarlet; one of the finest. Pkt., 15c; ¼ oz., 75c; ½ oz., \$1.25.

Splendens (Scarlet Sage)—The scarlet variety. Pkt., 10c; ¼ oz., 60c; ½ oz., \$1.00.

Patens (Blue Sage)—In color this is as blue as the "Scarlet Sage" is red; unlike the latter, however, it is not useful for bedding, but is a beautiful plant for the border. Tender perennials. 2 feet. Pkt., 25c.

Zurich—Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-spikes. Pkt., 15c.

SALPIGLOSSIS (Painted Tongue)—These annuals have showy, large, funnel-shaped flowers mottled, veined and self-colored. Mixed colors. Pkt., 5c; oz., \$1.50.

SCABIOSA (Mourning Bride)—A very showy, hardy annual fine for cutting and furnishing quantities of very bright blossoms all summer long in varieties of colors. Very easy to grow. Pkt., 10c; oz., 60c.

SENSITIVE PLANT—One of the most remarkable plants in cultivation; the leaves when touched instantly fold up. Pkt., 5c; oz., 60c.

SCARLET RUNNER BEANS—A great favorite as an ornamental climber; has bright scarlet sprays of pea-shaped blossoms. Pkt., 5c; oz., 15c.

STOCKS (Gilliflower)—Useful annuals for bedding, borders, cut-flowers and pot culture.

Large Flowering Ten Weeks—A fine large-flowering strain of many colors. Pkt., 10c; oz., \$1.00.

SUNFLOWER—Tall growing plants, with large and showy yellow flowers; hardy annuals.

Double Dwarf—4 feet. Pkt., 5c; oz., 40c.

Globe of Gold—4½ feet. Pkt., 5c; oz., 35c.

Double Tall—7 feet. Pkt., 5c; oz., 35c.

Single—5 feet. Pkt., 5c; oz., 35c.

Red Sunflower—Pkt., 10c.



Sunflower

SWEET WILLIAM—Makes an elegant display, producing a succession of flower clusters for several weeks, the colors varied, ranging from pure white to nearly black. If sown early will bloom the following fall; fall sowings bloom the next summer. Height 1½ feet.

Single—Varieties; mixed; more attractive than the double. Pkt., 5c; oz., 50c.

Double—Mixed; a mammoth flowered type of great beauty. Pkt., 10c; oz., \$1.50.

THUNBERGIA (Black-Eyed Susan)—A beautiful, tender climber, 3 to 5 feet high, with pale yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt., 10c; oz., 75c.

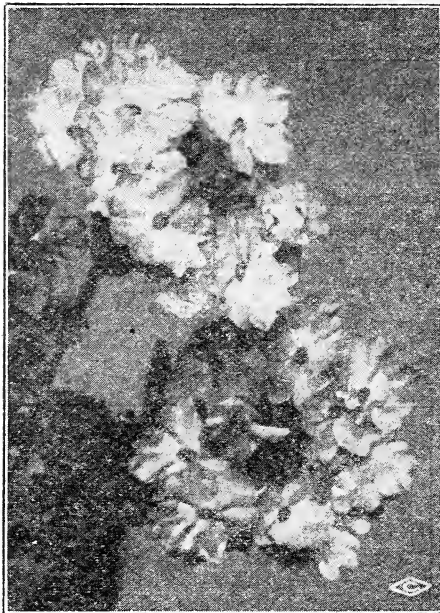
1929 TOP NOTCH FLOWER SEED COLLECTION

28 Packets for only \$1.00

One packet each of the following varieties. All good ones

Alyssum	Eschscholtzia	Petunia
Aster	Four-O'Clock	Phlox
Antirrhinum	Globe Amaranth	Poppy
Balsam	Gypsophila	Pinks
Caralla Tassel Flower	Kochia	Scabiosa
Cosmos	Larkspur	Sweet Peas
Candytuft	Marigold	Sweet Williams
Calendula	Morning Glory	Verbena
Cypress Vine	Nasturtium	Wild Flower Mixture
		Zinnia

At regular prices, the above would cost \$1.50. Send us \$1.00 and the 28 packets will be sent to you, postpaid.



Verbena

VERBENA (Hardy Annual)—Indispensable for bedding purposes, borders and window boxes. Borne profusely from June until frost. Flowers of most brilliant colors, blooming from early summer till late fall. Soak a few hours and sow in boxes indoors, transplanting when an inch high, or sow outside in April.

Choice Mixed—Embraces all colors. Pkt., 5c; oz., 80c.

Mammoth Flowered Mixed—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt., 10c; oz., \$1.25.

Mammoth Pink—Pkt., 10c; oz., \$1.50.

Mammoth Deep Purple—Pkt., 10c; oz., \$1.50.

Fancy Large Bright Crimson—Pkt., 10c; oz., \$1.50.

Fancy Large Pure White—Pkt., 10c; oz., \$1.50.

Fancy Large Striped—A mixture of striped sorts. Pkt., 10c; oz., \$1.50.

VINCA—Commonly called Periwinkle. Ornamental free-blooming, handsome bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. Desirable for massing or borders.

Vinca—Mixed colors. Pkt., 10c; oz., \$1.00.

Vinca Rosa—Pink. Pkt., 10c; oz., \$1.25.

Vinca Alba—Pure white. Pkt., 10c; oz., \$1.25.

WALLFLOWER—Very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant; single mixed. Pkt., 5c; oz., 60c.

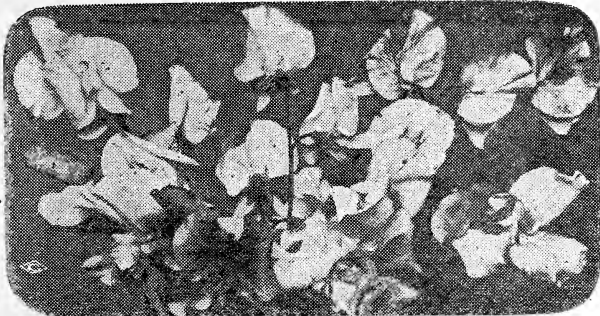
WILD CUCUMBER VINE—Ornamental climbing cucumber with curious fruit; remarkable for its luxuriance and rapidity of growth. Pkt., 5c; oz., 35c.

WILD FLOWER GARDEN MIXTURE—A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard in a promiscuous way. Pkt., 5c; oz., 35c; ¼ lb., 90c; 1 lb., \$3.00.

SWEET PEAS



Culture—Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the plants are well above the ground, they should be thinned out so as to be at least from 2 to 4 inches apart.



Three varieties of Spencer Sweet Peas

The Spencers offered here have all proved their merit and represent the cream of the best varieties and a wide range of colors. They are our selection from a long and confusing list of many hundreds of varieties.

Price: Following varieties uniform; packet, 10c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.25.

Austin Frederick Improved—A giant, lavender shade.

Barbara—A superb salmon colored variety that makes a telling effective bunch.

Constance Hinton—Probably the largest White Spencer yet introduced. The flowers are almost uniformly in four flowered sprays on long stout stems.

Charming—Rosy cerise color. A charm among Sweet Peas.

Countess—Bright clear pink; very large, open form; long stems.

Dobbie's Cream—Deep cream or primrose colored.

Flery Cross—Intense scarlet, distinct both in color and size.

Helen Lewis—Orange and salmon color; very showy.

Jack Cornwall—Rich violet blue, large blossom.

King Edward VII—One of the best pure red Spencers.

King White—The form, size, vigor, waviness and purity of color make it one of the best whites.

Margaret Atlee—Is a rosy, salmon-pink on a creamy buff ground.

Mrs. Tom Jones—Bright delphinium blue, a beautiful shade.

Mrs. Routzhan Spencer—Apricot, suffused pink, large beautiful blossoms.

Rosabella—Very fine bright rose, and a large bold showy flower.

Royal Purple—A rich purple; one of the finest.

Tangerine Improved—Glowing orange shade.

SPECIAL OFFER

Seventeen separate color Spencer Sweet Peas as above:

One 10c packet of each for only \$1.20.

One 25c packet of each for only \$3.00.

Sent postpaid on receipt of price.

NINE NEW SPENCER SWEET PEAS

Price: Uniform, pkt., 15c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50; postpaid.

Campfire—Rich, deep scarlet flower on long stout stems.

Fluffy Ruffles—A long rich rose pink with a gleam of creamy undertone blending into a harmonious shade of cream pink.

Heavenly Blue—A deep shade of silvery blue flower of large size.

Hero—A brilliant cerise, an entirely new shade.

Miss California—You will be delighted with this wonderful deep pink Spencer Sweet Pea. It is one of the best of its color.

Mary Pickford—Salmon pink, a most pleasing shade of this desirable color.

The Prince—A very large deep orange variety, nicely waved flower on long stems.

Pinkie—Very large, deep rose pink, a vigorous strong bloomer.

Sunkist—Rich cream with a decided picotee edging.

SPECIAL OFFER: One 15c packet of each of above nine new Spencers for 85c, postpaid. One 50c packet of each of the above nine new Spencers for \$2.50, postpaid.

R-H. CO.'S MIXED SWEET PEAS

R-H. Co.'s Mixed Spencers—Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 50c; 1 lb., \$1.50; postpaid.

Barpee's Re-selected Mixed Spencers—Pkt., 10c; oz., 20c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.25; postpaid.

Early Flowering Mixed Spencers—Pkt., 10c; oz., 25c; 2 oz., 50c; ¼ lb., 90c; 1 lb., \$3.00; postpaid.

Eckford's Royal Mixed, Grandiflora Sweet Peas—Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; 1 lb., \$1.00; postpaid.

Cupid Mixed Sweet Peas—Pkt., 10c; oz., 20c; ¼ lb., 60c; 1 lb., \$1.75; postpaid.

Perennial Mixed Sweet Peas—Pkt., 10c; oz., 50c; 2 oz., \$1.00; ¼ lb., \$1.50; 1 lb., \$5.50; postpaid.

FOUR SPECIAL NEW

Early Flowering Spencers at uniform prices.

Pkt., 20c; oz., 60c; ¼ lb., \$2.00;

1 lb., \$6.00; postpaid.

Early Flowering Grenadier—Dazzling scarlet, large bold flower.

Early Flowering Perfection—A most attractive pure pink color, a beautifully waved flower.

Mrs. Kerr—A pleasing shade of rich salmon overlaid with orange.

Zvolanek's Rose—Finest early flowering pink shade; a giant blossom.

SPECIAL OFFER: One 20c pkt., of each of above four new Sweet Peas, only 60c. One 60c pkt., of each of above four New Sweet Peas, only \$2.00.

Named Varieties

EARLY FLOWERING SPENCERS

These are the best of the early flowering Spencer Sweet Peas. All have long stems and bloom two to three weeks earlier than the standard or late Spencer. Price uniform, any of the following ten varieties: Pkt., 15c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.75; postpaid.

Early Flowering Amethyst—Rich showy deep purple.

Early Flowering Blue Sensation—Large fine bright blue.

Early Flowering Lavender King—Rich clear lavender.

Early Flowering Illumination—Rose cerise shade.

Early Flowering Harmony—Very large bold lavender shade.

Early Flowering Othello—Showy deep purple maroon.

Early Flowering Rose Queen—Rosy pink, very showy.

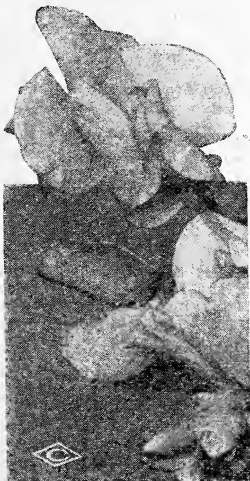
Early Flowering Snowstorm—Large bold, pure white.

Early Flowering Yarrowa—Rose pink with lighter wings.

Early Flowering Zvolanek's Pink—Clear pink, one you can depend on.



Early Flowering Spencers



Miss California



Early Flowering Amethyst

Russell-Heckle's Zinnias

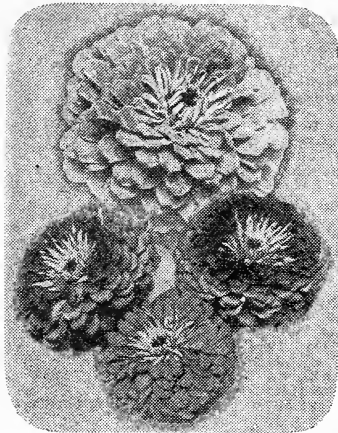
If you plant but one annual, plant this. May be taken up when in full bloom and transplanted without any visible effect. Loves a hot and dry summer and grows without care, although, of course, better results will be displayed with some care. Has no enemies, either insect or fungus. Few garden annuals are more thoroughly satisfactory than Zinnias, particularly since in recent years greatly improved, larger flowering and more brilliantly colored strains have been developed. For bedding, for borders and for cut flowers they furnish a wealth of blooms from early summer till late in the fall. Plant early in rows, 1½ to 2 feet apart and cover the seeds about one-fourth inch deep, or start indoors and transplant outside when the ground is warm.

DOUBLE DAHLIA-FLOWERED ZINNIAS

The latest development in Zinnias, bearing flowers of mammoth size and in form like a perfect decorative Dahlia. They are just as easy to grow as the Mammoth Zinnias, and the large flowers with their beautiful range of colors are simply indescribable. You should by all means try a bed of these this year.

RUSSELL-HECKLE'S SPECIAL MIXTURE, DAHLIA-FLOWERED ZINNIA

Our special mixture of this new type of Zinnia is made up from the separate colors. The brilliancy of color and the giant size of the flowers will appeal to those wishing the best. Pkt., 15c; 2 pkts., 25c; ½ oz., 75c; 1 oz., \$1.25; postpaid.



Dahlia-Flowered Zinnias

DAHLIA-FLOWERED ZINNIAS

In Separate Colors
15 of the very finest
named varieties

Price any of the following fifteen varieties of Dahlia-Flowered Zinnias: Pkt., 20c; 6 pkts., 90c; ½ oz., \$1.25; 1 oz., \$2.25; postpaid.

Buttercup—An immense deep creamy yellow flower. Glorious blooms for bedding or cutting.

Canary Bird—A delicate shade of primrose. Very large, holding its color well until out of bloom. A free bloomer.

Crimson Monarch—Immense size, bright crimson scarlet.

Dream—A fine deep lavender turning to purple.

Exquisite—A pleasing shade of rose color, one of the finest pinks.

Giant Attraction—A distinct shade of brick red which carries its color well from the bud, and forms into an immense ball of color when in full bloom.

Golden State—Rich golden yellow shading to orange as the flower opens.

Lemon Beauty—Next to Crimson Monarch in size and form. A beautiful pastel shade of golden yellow. Should be in every collection.

Meteor—Rich glowing deep red, of fine form, and free flowering habit. One of the most popular of all reds.

Newport Pink—A striking self-color deep rose pink. A most beautiful shade.

Old Rose—A beautiful dark salmony red or old rose.

Oriole—An immense orange and gold bicolor. One of the most beautiful of its class.

Polar Bear—Extra large pure white, no other variety will equal same.

Purple Prince—Fine deep purple, large and well-formed. New color in Dahlia type Zinnias.

Scarlet Flame—A large, beautiful, bright scarlet with a blending of orange throughout the petal.

SPECIAL OFFER: 15 varieties of Dahlia-Flowered Zinnias, one packet each of the above fifteen named varieties Dahlia-Flowered Zinnias. Regular value \$3.00, for only \$2.00, postpaid.

R.-H. CO.'S GIANT ZINNIAS—In this strain of Zinnias we have a flower of perfect form, round, full and double and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which makes them valuable for cutting and will render them a favorite wherever tried. The plants grow from 2½ to 3 feet high, while the flowers often measure 5 to 6 inches across, and thickly set with velvety petals.

Giant Crimson—Pkt., 10c; oz., 80c.

Giant Deep Salmon Rose—Pkt., 10c; oz., 80c.

Giant Lavender—Pkt., 10c; oz., 80c.

Giant Lilac—Pkt., 10c; oz., 80c.

Giant Orange—Pkt., 10c; oz., 80c.

Giant Pink—Pkt., 10c; oz., 80c.

Giant Purple—Pkt., 10c; oz., 80c.

Giant Salmon Pink—Pkt., 10c; oz., 80c.

Giant Scarlet—Pkt., 10c; oz., 80c.

Giant Shrimp Pink—Pkt., 10c; oz., 80c.

Giant Striped—Pkt., 10c; oz., 80c.

Giant White—Pkt., 10c; oz., 80c.

Giant Yellow—Pkt., 10c; oz., 80c.

Giant Mixed Colors—Pkt., 10c; oz., 70c.

SPECIAL OFFER

One 10c packet of each of these fourteen varieties of Giant Zinnia Seed, retail value \$1.40, for only \$1.00.



California Giant Zinnias

CALIFORNIA GIANT ZINNIA—Still another new type, larger, and a cross between the Colossal and Dahlia-Flowered Zinnia. They have small, flat centers, with more loosely placed centers. The petals are deeply imbricated and the immense flower from bud to full bloom presents a graceful appearance.

Price: Any following varieties, pkt., 15c; any four pkts., 50c; ½ oz., \$1.25; oz., \$2.25; parcel post paid.

Cerise Queen—Beautiful cerise and rose; a masterpiece.

Enchantress—A wonderful shade of rose pink.

Miss Wilmott—Soft pink; a true pastel shade.

Orange King—Very deep orange yellow; striking color.

Purity—A clean pure white; immense in size.

Scarlet Gem—A glowing crimson scarlet; very showy.

California Giant Mixed—All colors in mixture.

SPECIAL OFFER: One packet of each of above seven varieties, only 70c, parcel post paid.

CHOICE DOUBLE TAIL MIXED ZINNIA—Embracing all the variously colored double varieties, making an elegant mixture for groups, beds, borders, etc. Pkt., 5c; oz., 50c.

DOUBLE CURLED AND CRESTED ZINNIA—A new strain, fantastically shaped flowers with twisted petals, brilliant colors. Mixed, 2 feet. Pkt., 10c; oz., \$1.25.

CACTUS-FLOWERED QUILLED TYPE ZINNIA—The petals are partially tubular or quilled giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors mostly of the warmer shades, such as salmon, old rose, deep rose, lilac, bronze and dark red tones. On the reverse side the petals are light or dark lilac, making a wonderful combination of colors. The plants are of strong, robust growth and produce an abundance of very large, double flowers often 5 inches in diameter. Pkt., 10c; ½ oz., 75c; oz., \$1.50.

DOUBLE PICOTEE ZINNIA—Beautiful double flowers, in color from white to scarlet, each petal being distinctly marked on the edges with various dark colors, different from the body of the flower. Very attractive as bedders or cut-flowers.

Mixed—Colors. Pkt., 10c; oz., \$1.50.

DWARF ZINNIAS—This type is wonderfully adapted to borders or beds. The plants are compact and are covered with a multitude of flowers all during summer and fall. Well-known plants measure 12 inches in height. Largely used for bedding borders, etc.

Bright Scarlet—Striking bright red. Pkt., 10c; oz., 80c.

Golden Orange—Beautiful orange color. Pkt., 10c; oz., 80c.

White—Pure large white. Pkt., 10c; oz., 80c.

Dwarf Pink—Bright rose pink color. Pkt., 10c; oz., 80c.

Dwarf Mixed—Mixed, all colors. Pkt., 10c; oz., 70c.

SUMMER FLOWERING BULBS

Gladioli

Gladioli will thrive in almost any good soil except a stiff clay. They require full sunlight and are liable to injury only from rank manure. Plant the bulbs 6 to 9 inches apart, the large ones 4 inches and the small ones 2 inches deep. Make an early planting of the smallest bulbs first as soon as the ground is sufficiently dry and warm. Continue to plant at intervals of two weeks during the spring and early summer; in this way a succession of bloom may be had from midsummer until frost. A free use of water during the season of active growth and particularly as the buds begin to show color will be beneficial in producing fine blossoms.

Named Gladiolus Bulbs

America—Soft, lavender pink; very fine. Doz., 60c; 100, \$3.00, postpaid. Not prepaid, doz., 50c; 100, \$2.75.

Anna Eberius—Dark velvety purple. Doz., 90c; 100, \$5.25, postpaid. Not prepaid, doz., 80c; 100, \$5.00.

Baron Hulot—A really fine blue gladiolus, rich violet blue. Doz., 85c; 100, \$5.00, postpaid. Not prepaid, doz., 75c; 100, \$4.75.

Chicago Red—Brilliant scarlet; large, opens well. Doz., 85c; 100, \$4.75, postpaid. Not prepaid, doz., 75c; 100, \$4.50.

Chicago White—White with lavender markings in throat. Doz., 65c; 100, \$3.25, postpaid. Not prepaid, doz., 55c; 100, \$3.00.

Crimson Glow—Deep scarlet crimson, very large flower. Doz., \$1.10; 100, \$7.25, postpaid. Not prepaid, doz., \$1.00; 100, \$7.00.

Evelyn Kirtland—Beautiful rosy pink, with scarlet blotch on lower petals. Very showy. Doz., 70c; 100, \$4.00, postpaid. Not prepaid, doz., 60c; 100, \$3.75.

Golden Measure—Very large dark golden yellow. Doz., \$1.30; 100, \$8.75, postpaid. Not prepaid, doz., \$1.20; 100, \$8.50.

Glory of Kennemeland—New deep rich rose, with golden blotch at throat. Doz., \$1.00; 100, \$6.25, postpaid. Not prepaid, doz., 90c; 100, \$6.00.

Halley—Delicate rose, with a white blotch. Doz., 70c; 100, \$3.50, postpaid. Not prepaid, doz., 60c; 100, \$3.25.

Herada—A glistening pure mauve shade; immense in size. Doz., 70c; 100, \$4.00, postpaid. Not prepaid, doz., 60c; 100, \$3.75.

Joe Coleman—Large rich dark red color. Doz., \$1.00; 100, \$6.25, postpaid. Not prepaid, doz., 90c; 100, \$6.00.

Los Angeles—Shrimp pink with orange throat, very attractive. Doz., \$2.00; 100, \$14.75, postpaid. Not prepaid, doz., \$1.90; 100, \$14.50.

Louise—Beautiful lavender shade. Doz., \$1.50; 100, \$8.25, postpaid. Not prepaid, doz., \$1.20; 100, \$8.00.

Mrs. Francis King—Produces immense flamingo pink blossoms. Doz., 70c; 100, \$3.50, postpaid. Not prepaid, doz., 60c; 100, \$3.25.

Mrs. Frank Pendleton—Flushed salmon pink. One of the most popular varieties with the florists. Doz., 70c; 100, \$3.50, postpaid. Not prepaid, doz., 60c; 100, \$3.25.

Mrs. Watt—Glowing American Beauty shade of wine red, a beautiful large open flower; opens on erect stems. Doz., \$1.00; 100, \$5.00, postpaid. Not prepaid, doz., 90c; 100, \$4.75.

Panama—Darker pink than America and larger. Doz., 70c; 100, \$3.75, postpaid. Not prepaid, doz., 60c; 100, \$3.50.

Pink Perfection—A delicious apple blossom pink shade. Flower of large size. Doz., \$1.20; 100, \$7.50, postpaid. Not prepaid, doz., \$1.10; 100, \$7.25.

Prince of Wales—Color solid pink without any markings, larger than Halley. Doz., 80c; 100, \$4.50, postpaid. Not prepaid, doz., 70c; 100, \$4.25.

Schwaben—Pure canary yellow, shaded sulphur yellow. Doz., 70c; 100, \$3.75, postpaid. Not prepaid, doz., 60c; 100, \$3.50.

War—Rich blood red, shaded crimson black. Doz., \$1.10; 100, \$6.75, postpaid. Not prepaid, doz., \$1.00; 100, \$6.50.

Special Offer of Gladiolus Bulbs

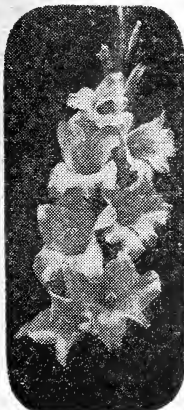
Above 22 varieties

2 each, 22 varieties, 44 bulbs in all.....\$ 2.50
6 each, 22 varieties, 132 bulbs in all.....6.90
12 each, 22 varieties, 264 bulbs in all.....12.25

Postpaid on receipt of price.

Mixed Gladiolus Bulbs

R.-H. Co.'s Giant Flowering Mixed—Made up from the best named sorts and comprises almost every shade in existence. This mixture is the finest Gladiolus that can be obtained from any source. Doz., 50c; 100, \$2.75, postpaid. Not prepaid, doz., 40c; 100, \$2.50.



Golden Measure



Los Angeles

Primulus—The most graceful of all Gladioli; very attractive in your indoor bouquet. The colors, which always harmonize, range from purest light yellow to rich orange, from light pink to dark velvety crimson. They bloom early and for a long time. Doz., 50c; 100, \$3.00, postpaid. Not prepaid, doz., 40c; 100, \$2.75.



Dahlias

Fine Named Dahlias

The following are all first class varieties; the best of their color and well adapted to this section:

Ballet Girl—Very large Cactus Dahlia, with long, very fine quilled petals, color orange tipped white; some flowers solid orange on same plant. Each, 60c; 3 for \$1.50, postpaid.

Gloriana—Monster old gold, darker center. Profuse bloomer; decorative Dahlia. Each, 60c; 3 for \$1.50, postpaid.

Jersey's Beauty—Decorative, a perfect true pink; a beautiful large flower. Each, \$1.00; 3 for \$2.50, postpaid.

Jersey's King—Immense flowers of carmine, a fine grower, decorative type. Each, 75c; 3 for \$2.00, postpaid.

Judge Marcan—Extra large salmon pink with shade of yellow and pure gold. A wonderfully fine decorative Dahlia. Each, 75c; 3 for \$2.00, postpaid.

Millionaire—A giant lavender shade; one of the largest Dahlias in existence, decorative. Each, 60c; 3 for \$1.50, postpaid.

Mrs. I de Ver Warner—Rich, rosy mauve; very large beautiful flower, decorative. Each, 75c; 3 for \$2.00, postpaid.

Patrick O'Mara—Decorative; a soft pleasing shade of orange buff, slightly tinged neyron rose. Each, 75c; 3 for \$2.00, postpaid.

Pride of California—Dark rich crimson; very fine large decorative Dahlia. Each, 50c; 3 for \$1.35, postpaid.

Mrs. Carl Salbach—Lovely mauve pink, shading lighter to center; long, strong stems. Each, 50c; 3 for \$1.35, postpaid.

Snowdrift—Pure white; very large best decorative Dahlia. Each, 60c; 3 for \$1.50, postpaid.

Special Offer For Only \$5.50

We will send the above eleven fine varieties of Dahlias, regular value \$7.20. Remit \$5.50 and get the eleven varieties all properly labeled.

Dahlia Bulbs, Separate Colors

These are all first size large bulbs in the following colors:
Double Pink Double Purple Double Yellow
Double White Double Scarlet Double Striped
Each, 20c; doz., \$1.50, postpaid. Not prepaid, each, 10c; doz., \$1.00.

Caladiums or "Elephant Ears"

Caladiums—Caladiums are most effective plants in cultivation for beds or for planting out upon the lawn. Small bulbs, each, 15c; doz., \$1.25, postpaid. Not prepaid, by express, each, 10c; doz., \$1.00.

Large bulbs, each, 30c; doz., \$2.50, postpaid. Not prepaid, by express, each, 20c; doz., \$2.00.

Mammoth bulbs, each, 45c; doz., \$4.00, postpaid. Not prepaid, by express, each, 35c; doz., \$3.50.

Tuberose

Double Pearl—Doz., 60c; 100, \$4.00, postpaid. Not prepaid, doz., 50c; 100, \$3.50.

Armstrong's Ever-Blooming Tuberose—A single sweet-scented early blooming variety; blooms longer than the double. Doz., 60c; 100, \$4.00, postpaid. Not prepaid, doz., 50c; 100, \$3.50.

Fall Bulbs

Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.

Peonies

PEONIES

Adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubbery border.

An important point to observe in the planting of Peonies is not to plant too deep. The roots should be placed so that the crowns are covered with 2 inches of soil. Too deep planting is a frequent cause of shy flowering.

Peonies to Color

All showy bulbs, 2 to 3 good eyes:

Double Crimson.....each, 35c; 6 for \$2.00
Double Pinkeach, 35c; 6 for \$2.00
Double Whiteeach, 30c; 6 for \$1.50
By mail 5c each extra.

Named Peonies

Extra Fine Varieties: All Well Adapted for the South.

Couronne d'Or—Immense white flower with a ring of yellow around the center, robust grower and a free bloomer. Each, 60c; 3 for \$1.40; postpaid, each, 50c; 3 for \$1.25; 12 for \$4.50.

Eudulus Superba—Very early bright clear pink, called the Decoration Day Peony. Each, 60c; 3 for \$1.40; postpaid, each, 50c; 3 for \$1.25; 12 for \$4.50.

Felix Crouse—Rich dazzling ruby red, none better, mid-season. Each, 85c; 3 for \$2.15; postpaid, each, 75c; 3 for \$2.00; 12 for \$6.50.

Festiva Maxima—This is the finest white. Each, 60c; 3 for \$1.40; postpaid, each, 50c; 3 for \$1.25; 12 for \$4.50.

Karl Rosenfield—Velvety crimson, blooms of semi-rose type, very showy, beautiful flower. Each, 90c; 3 for \$2.40; postpaid, each, 80c; 3 for \$2.15; 12 for \$7.50.

Sara Bernhardt—One of the finest silvery pink, very large in size, blooms late. Each, \$1.10; 3 for \$2.85; postpaid, each, \$1.00; 3 for \$2.70; 12 for \$9.00.

President Taft—Enormous pink, very fragrant. Each, \$1.10; 3 for \$2.85; postpaid, each, \$1.00; 3 for \$2.70; 12 for \$9.00.

Special Offer

One each of the above seven fine named Peonies for \$4.70, postpaid; not prepaid, for \$4.50.

Lilies

Bulbs should be planted as soon as the frost is out of the ground; the earlier the better. Select well-drained spot, dig the soil deep and make it fine, enriching it abundantly with well rotted cow manure, adding a liberal mixture of sand. Set the bulbs from 5 to 7 inches deep.



Auratum

35c; doz., \$4.00.

Regal Lily—A real beauty with large white flowers shading to yellow in the center, with a faint tinge of pink at the edges. Delicately scented, similar to the Jasmine; extremely hardy, robust grower and free bloomer. One of the finest garden Lilies, bearing up to nine flowers to the stem, very easy to grow; set the bulbs 5 to 6 inches deep. Prefers a sunny location and soil should not be too rich. 3 to 5 feet. Blooms in July. Each, 55c; 3 for \$1.60; doz., \$5.50; postpaid, each, 50c; 3 for \$1.45; doz., \$5.25.

Lilium Tigrinum Splendens—(The Single Tiger Lily.) An improved form of the old well known Tiger Lily. Much stronger, more and larger flowers, bright orange-red with black spots and red anthers; recurved petals. Up to twenty flowers to the stem. One of the hardest, most permanent and easily grown Lilies. Very showy. Blooms in August and September. 3 to 5 feet. Each, 25c; 3 for 60c; doz., \$2.00; postpaid, each, 20c; 3 for 50c; doz., \$1.80.



Regal

Select Canna Bulbs

Culture—For best results the beds should be spaded 1 foot deep and a liberal amount of well-decayed manure of any kind thoroughly incorporated, and at all times supplying water freely. For best effect plant in large masses of one color, setting out the plants 2 feet apart.



King Humbert Canna

Allemania—Bright scarlet, orchid flowering with broad yellow border, beautifully mottled. 5 feet high with green foliage. Each, 18c; 3 for 40c; doz., \$1.15; postpaid, each, 15c; 3 for 30c; doz., 95c.

City of Portland—One of the finest pink Cannas. Rich green foliage, 3 1/2 feet high. Each, 25c; doz., \$2.25; postpaid, each, 20c; doz., \$2.00.

Eureka—The best white Canna, with bright green foliage, height 4 feet. Each, 20c; 12 for \$1.50; postpaid, each, 15c; 12 for \$1.25.

Hungaria—The new pink Canna with green foliage, a beautiful shade of rose pink, 4 feet. Each, 20c; doz., \$2.00; postpaid, each, 15c; doz., \$1.75.

King Humbert—Orange scarlet, bronze foliage, 4 feet. Each, 15c; doz., \$1.25; postpaid, each, 10c; doz., \$1.00.

Mrs. Alfred Conrad—A beautiful pink Canna, with green foliage, 4 feet, flowers large and showy. Each, 20c; 12 for \$2.00; postpaid, each, 15c; 12 for \$1.75.

The President—Bright crimson, very large flower, deep green foliage, 4 feet. Each, 15c; doz., \$1.25; postpaid, each, 10c; doz., \$1.00.

Wintzer's Colossal—Immense size, brightest crimson color, green foliage, height 5 feet. Each, 20c; doz., \$1.50; postpaid, each, 15c; doz., \$1.25.

Yellow King Humbert—Yellow dotted red, green foliage, height 4 feet. Each, 20c; doz., \$1.50; postpaid, each, 15c; doz., \$1.25.

SPECIAL OFFER—40 CANNA BULBS, ONLY \$1.80
Ten each, Allemania, President, King Humbert, Regular value, \$2.50. Special price, \$1.80, postpaid.

Amaryllis

The Amaryllis produces showy flowers that are handsome and very attractive, resembling Lilies. The most suitable soil is good loam, with one-fourth part of leaf-mold, or pulverized manure, and some sand. Good drainage is very important. The growing season is from early spring until about September, when the plants should be kept cool and allowed to rest until February.

Amaryllis Johnsonii—Crimson flower, each petal striped white. Each, 50c; 3 for \$1.40; postpaid, each, 45c; 3 for \$1.20.

Cinnamon Vine

Hardy climber, of a delicious cinnamon fragrance. Each, 10c; doz., \$1.00; postpaid.

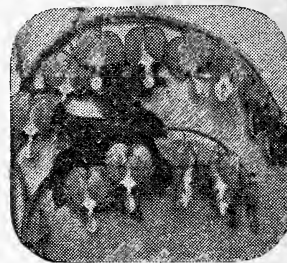
Maderia Vine

A beautiful, rapid growing climber, bearing fragrant white flowers. Each, 10c; doz., \$1.00; postpaid.

Bleeding Heart

(Dietra Spectabilis)

One of the most beautiful hardy border plants. Flowers in early spring with rose-colored heart-shaped flowers on under side of stem. Perfectly hardy. Prepaid, per bulb, 60c.



Bleeding Heart

Russell-Heckle's Nursery Department

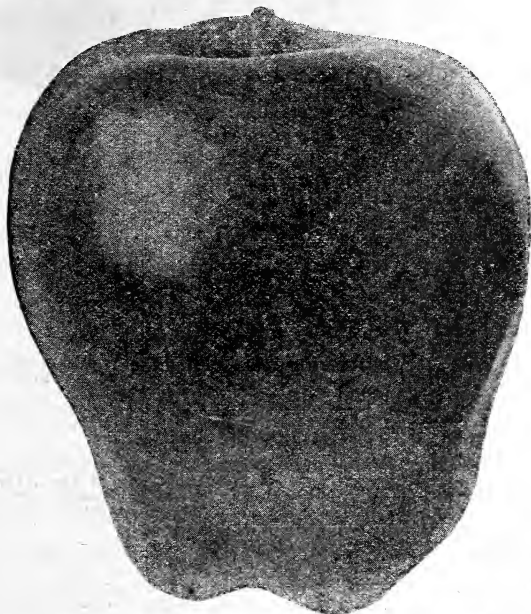
Culture—Set out small trees. They are more certain to grow and will bear fruit just as early as any larger or older tree. It is a mistake to reset any tree older than two years.

CERTIFICATE OF INSPECTION

Issued annually by the Tennessee State Entomologist showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to every shipment.

Terms: Cash, F. O. B. Nursery. No trees shipped C. O. D. Nursery stock is too large and bulky to be shipped as parcel post. It is important that express office be given.

Apples



First grade, 2-year trees; each, 50c; 10 for \$4.50; 100 for \$40.00.
Early Harvest—Medium size, pale yellow, juicy. May and June.

Yellow Transparent—Greenish-yellow skin, white flesh. One of the earliest to ripen. May and June.

Red June—Deep red skin; white flesh, tender and very juicy. June and July.

Yellow Horse—Large; greenish-yellow skin, flesh acid. July and August.

Grimes Golden—Large size; golden yellow. Early fall.

Delicious—Fruit large and easily identified by its sheep-nose shape. Skin dark red, flesh fine grained. Late fall.

Stayman Winesap—Skin dark red, flesh crisp and juicy. October.

Winesap—Good quality dark red skin, crisp, sub-acid flesh. September and October.

Yates—Skin dark red with white dots, flesh yellow, crisp and good. Winter.

Apricots

First grade, 4-5 feet. Each, 75c; 10 for \$6.50.

Early Golden—Very early, productive and of good size.

Royal—Large, yellow, with orange cheek; rich and delicious.

Cherries



First grade, 3-5 feet. Each, 75c; 10 for \$6.50.

Black Tartarian—(Sweet). Large size; purplish black fruit.

Governor Wood—(Sweet). Large; light yellow skin with tinge of red. Ripens middle of May.

Early Richmond—(Sour). One of the earliest. Light red fruit. May.

Large Montmorency—(Sour). Best variety for general planting. Large, bright red.

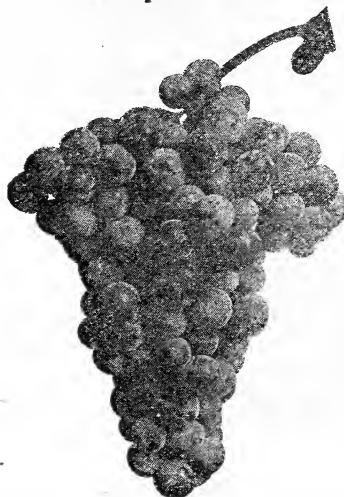
Figs

First grade, 3-4 feet. Each, 75c; 10 for \$7.00; 100 for \$55.00.

Brown Turkey—Fruit fair sized, pear-shaped, skin coppery-brown. Very hardy.

Celestial—Small, violet colored. Very prolific and of excellent quality. Hardest of all Figs.

Grape Vines



Two-year plants, each, 30c; 10 for \$2.50; 100 for \$20.00.

Concord—Bunch and berry large; blue-black in color.

Muscat's Early—Ripens about two weeks ahead of Concord.

Black.

Niagara—Berry large; white with rather tough skin.

Lutic—An early, dark red grape. Fruit large.

Scuppernong Grapes

Two-year plants, each, 50c; 10 for \$4.00.

Scuppernong—Large bronze fruit, sweet pulpy flesh.

James—The largest fruit; black in color, very juicy and sweet.

Thomas—Fruit medium size; dark red, very juicy.

Peach Trees

First grade, 2-year trees, each, 50c; 10 for \$4.50; 100 for \$35.00. These ripen in succession as listed.

Mayflower first, last Krummel's late.

Mayflower—(Free.) The earliest peach known. Fruit medium size, entirely covered with red.

Early Rose—(Semi-Cling.) Fruit of fair size, highly colored. Ripens about a week later than Mayflower.

Arp Beauty—(Free.) The earliest of the yellow-fleshed peaches. Skin yellow, mottled with red. Early June.

Greensboro—(Free.) Early; skin white with red cheek, large oblong in shape. June.

Carman—(Free.) Creamy-white skin with red cheek. June.

Early Elberta—(Free.) Large; yellow-fleshed. Follows Carman.

Hiley—(Free.) Large size, white skin tinted red. July.

Yellow Hiley—(Free.) Ripens along with White Hiley; large size, flesh deep yellow. Middle July.

Belle of Georgia—(Free.) White skin with red cheek, flesh white. July.

Chenese Cling—(Cling.) Large, white red cheek. July.

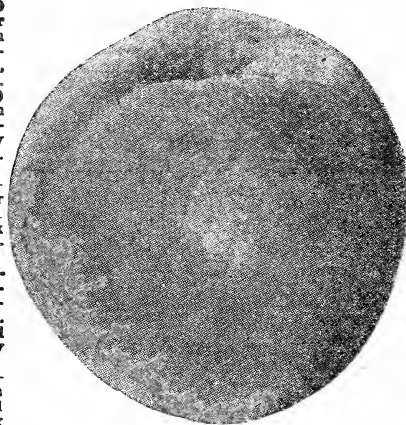
Elberta—(Free.) Yellow skin with red cheek, flesh yellow and juicy. Middle August.

Indian or Blood Cling—(Cling.) Large size; dark red flesh. Middle till last August.

J. H. Hale—(Free.) Deep red skin, yellow meat. Ripens a few days later than the Elberta.

Heath Cling—(Cling.) Firm white flesh. Last of August.

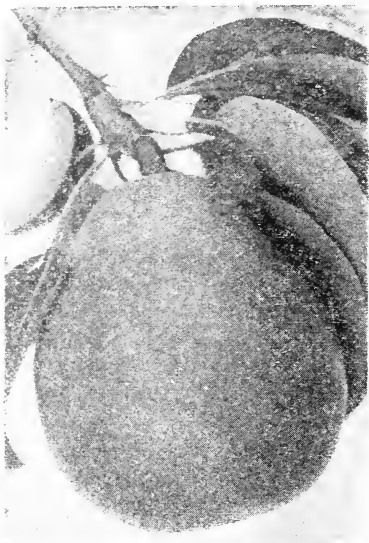
Krummel's Late—(Free.) Yellow tinted with red. Ripening in early September.



Spraying

Spraying is a vital necessity if money is to be made from fruit. It doesn't pay to miss one season, even if enemies are not visible. Spraying has an invigorating effect on trees, besides controlling enemies.

Pears



First grade, two-year trees, each, 80c; 10 for \$7.00; 100 for \$65.00.

Bartlett—One of the best varieties. Large size; yellow, juicy, ripening last of July and early August.

Le Conte—A bell-shaped, yellow pear of good size. Ripens last of July and early August.

Seckel—Small, sweet; yellowish russet skin with red cheek. Ripens August.

Garber—Very desirable for canning and preserving. Ripens in September.

Keiffer—Fruit large, skin golden-yellow with slight blushed cheek. Matures from September to October.

Pineapple—Practically blight-proof and has proven one of the very best for southern planting.

Mulberries

First grade, 4-5 feet. Each, 80c; 10 for \$7.00.

Downing—Medium to large fruit; purplish-black.

New American—Similar to Downing. A desirable black variety.

Hicks—Sometimes called everbearing. Fruit black, sweet.

Japanese Persimmons

First grade, 3-4 feet. Each, 80c; 10 for \$7.00. These make ornamental trees.

Triumph—Medium size, skin red, flesh yellow. Good quality.

Tane Nashi—Large size, skin light yellow, changing to red.

Quince

First grade, 3-4 feet. Each, 80c; 10 for \$7.00.

Orange—Extra large size; bright yellow, excellent flavor.

Blackberry Plants

Price either of following varieties. 10, \$1.00; 100, \$6.60; postpaid. Not prepaid, 10 for \$1.00; 100 for \$6.25.

Early Harvest—Good quality, and bears early.

Eldorado—Large, black fruit. Sweet, productive. Ripens very late.

Dewberry Plants

Prices: 10 for \$1.20; 100 for \$7.90; postpaid. Not prepaid, 10 for \$1.00; 100 for \$7.50.

Austin—Fruit large, vigorous grower.

Lucretia—Large; fine flavor.

Plums

First grade, two-year trees, each, 80c; 10 for \$7.00; 100 for \$65.00.

Abundance—(Japanese.) Large; amber in color, changing to red. Ripens a week later than Red June.

Burbank—(Japanese.) Fruit large, deep red overlaying a yellow ground. Flesh deep yellow and very sweet. July.

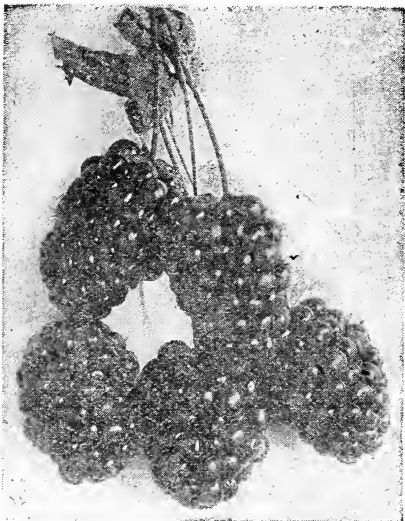
Compass Cherry Plum—The fruit is a cross between the Sand Cherry and the Miner Plum. A bright red color, acid.

Red June—(Japanese.) Deep red skin, light yellow flesh, sub-acid. A semi-cling, ripening in June and July.

Shropshire Damson—The most desirable preserving variety. Ripens August.

Wickson—(Japanese.) Large size. Deep maroon skin, yellow firm flesh. July.

Wild Goose—Fruit large; deep red when ripe, juicy and richly acid. Ripens early.



Raspberry Plants



Price any following varieties: 10, \$1.00; 100, \$6.90; postpaid. Not prepaid, 10, 80c; 100, \$6.50.

St. Regis—Red. Good size and well adapted for southern planting.

Cuthbert—Red. Large size; firm, juicy.

Cumberland—Black. The best of the black varieties. Large.

Cardinal—Reddish purple. Fruit of good quality.

Special Variety Raspberry

Van Fleet—Vigorous, strong grower. Free from Mosaic disease; fruit dull red, medium size. Each, 20c; 10 for \$1.25. By parcel post, 30c; 10 for \$1.60.

Strawberry Plants

Culture—Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

Aroma—Large size, dark red and sweet.

Big Joe—Similar but larger than Gandy. Glossy dark scarlet in color.

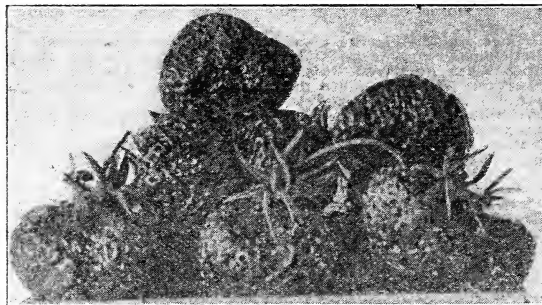
Excelsior—Extra early; one of the best drought resisters.

Gandy—The last to ripen; a large, bright crimson berry.

Klondyke—A shapely dark red berry of uniform size.

Lady Thompson—Widely planted over the whole country.

Prices each variety, uniform as follows. 50 plants, 75c; 100, \$1.20; 200, \$2.00; 500, \$3.35; 1,000, \$5.00; postpaid. Not prepaid, 100, \$1.00; 500, \$2.75; 1,000, \$4.50.



Everbearing Strawberry Plants

Progressive Everbearing—The best of the Everbearing sorts; berry dark red. Price: 25, 85c; 50, \$1.35; 100, \$2.25; 500, \$6.50; postpaid. Not prepaid, 25, 75c; 50, \$1.10; 100, \$2.00; 500, \$7.50; 1,000, \$12.50.

Asparagus Roots

Washington—Price: 2-year old roots, doz., 50c; 50, \$1.75; 100, \$2.75; postpaid. Not prepaid, doz., 40c; 50, \$1.50; 100, \$2.50.

Horseradish Roots

Maliner Kren (Bohemian)—Large, strong cuttings. 50c per dozen; \$2.50 per 100; \$15.00 per 1,000. If wanted by mail, add 10c per 100 for postage.

Rhubarb Roots

Two year roots, each, 30c; 6 for \$1.50; 12 for \$2.50; postpaid. Not prepaid, each, 25c; 6 for \$1.25; 12 for \$2.00. One year roots, each, 15c; 6 for 75c; 12 for \$1.25; postpaid. Not prepaid, each, 10c; 6 for 60c; 12 for \$1.00.

Grafted Pecans

First grade, 4-5 feet, each, \$1.15; 10 for \$10.00; 2-3 feet, each, 90c; 10 for \$8.00. Can't be mailed.
 Frotscher—Medium to large size, nut rather long.
 Schley—Finest for eating. Nuts long, thin-shelled, well filled.
 Stuart—Nuts of good size, shell medium thin.
 Success—Resembles Stuart, but larger. Nuts thin-shelled.
 Write for special prices on larger quantities.

Chestnuts

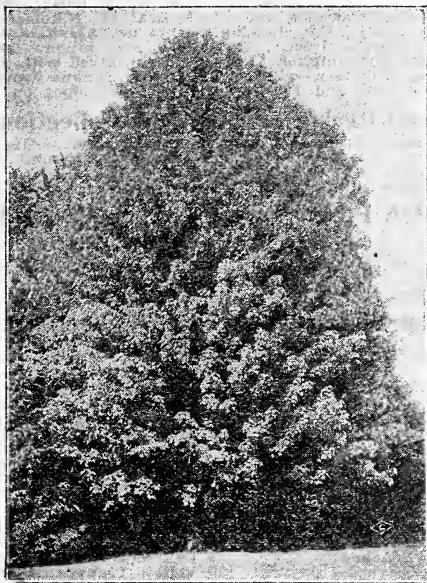
Each, \$1.25.

Japan Mammoth—Nuts of immense size, fair quality.

Walnuts

Each, \$1.25.

English Walnut—Nuts of good size, thin shelled.



Sugar Maple

Ornamental and Shade Trees

	Each
American Elm, 8 to 10 feet.....	\$1.50
Catalpa Bungeii	2.00
Chinese Poplar, 8 to 10 feet.....	1.00
European Ash, 6 to 8 feet.....	1.00
Flowering Peach, White, Pink and Red.....	.85
Lombardy Poplar, 8 to 10 feet.....	.85
Magnolia Grandiflora, 4 to 5 feet.....	1.50
Norway Maple, 6 to 8 feet.....	1.50
Dogwood, Red Flowering	1.75
Dogwood, White Flowering .....	.75
Silver Maple, 8 to 10 feet.....	1.25
Sugar Maple, 8 to 10 feet	1.50
Texas Umbrella .....	.75
Red Bud Japanese, 5 to 4 feet.....	.75
Red Bud Judas Trees, 5 to 6 feet.....	1.00
Prunus pissardi, Purple Leaf Plum.....	1.00

Climbing Vines

Honeysuckle, Hall's Fragrant—Scarlet trumpet. Each, 40c.
 Kudzu Vine—Bright green foliage. Each, 40c.
 Boston Ivy—Fine quick climber. Each, 50c.
 Clematis, Paniculata—White. Each, 50c.
 Clematis, Jackmani—Red. Each, \$1.00.
 Virginia Creeper—Large, green leaves. Each, 50c.
 Wistaria—Purple or white. Each, \$1.00.

Evergreen Shrubs

All Strong Plants.

Abelia Grandiflora—Attractive small white flowers.....	\$0.75
Camellia Japonica—Glossy, green leaves; white blossoms.....	1.50
Cape Jasmine—Glossy leaves, wax white blooms.....	.85
Dwarf Box Wood—For borders, green foliage.....	.25
English Laurel Prunus Laurocerasus—18-24 inch.....	1.50
Euonymus Japonica—Glossy dark green foliage.....	1.00
Euonymus Sieboldiana—Graceful, dark green leaves.....	.75
Golden California Privet .....	.75
Gold Dust Shrub	1.25
Privet Ligustrum—Upright growth, showy.....	1.00
Privet Lucidum—Dark green, graceful foliage.....	2.00
Privet Nepal—Spreading growth, dark green.....	2.00

German Iris

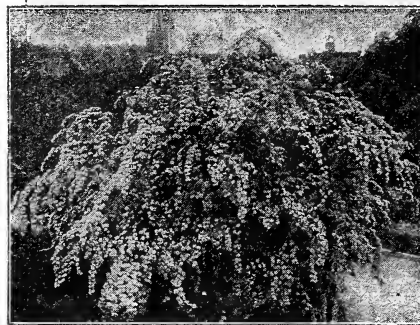
Each, 25c; 6 for \$1.25.

Alcazer—Light bluish violet.
 Florentine Alba—White tinged.
 Lohengrin—Uniform lilac rose.
 Loreley—Light yellow and cream.
 Mod. Chereau—White with purple veins.
 Monsignor—Pale with deeper violet.

Coniferous Evergreens

American Arbor Vitae (Thuya Occidentalis)—18-24 inch. Each, \$1.50.
 Arbor Vitae, Dwarf Golden—Foliage green with golden tinge. 12-15 inch plants. Each, \$2.00; 18-24 inch, each, \$3.00.
 Arbor Vitae Bonita—Solid green cone shape, dwarf. 18-24 inch plants. Each, \$2.50.
 Arbor Vitae Globe—Globe-shaped, bright green. 12-18 inch plants. Each, \$2.00.
 Arbor Vitae, Pyramidal Golden—Fine golden foliage, pyramidal. 18-24 inch plants. Each, \$2.25.
 Arbor Vitae, Pyramidal—Tall, pyramidal, green foliage, 18-24 inch plants. Each, \$1.50.
 Rosedale Arbor Vitae (Biota Rosedale)—15-18 inch. Each, \$1.50.
 Arbor Vitae, Chinese—Pyramidal form, green foliage. 24-36 inch plants. Each, \$2.00.
 Baker's Compact Arbor Vitae (Thuya Orientalis)—4-5 feet. Each, \$5.00.
 Cedrus Deodara—Indica Cedar. Graceful foliage. 24-30 inch plants. Each, \$2.50; 3-4 feet, each, \$4.00.
 Golden Cypress—Pyramidal, golden and green foliage. 18-24 inch plants. Each, \$2.00.
 Green Cypress—Pyramidal shaped. 18-24 inch plants. Each, \$2.00.
 Veitch Silver Cypress—Silvery green. 18-24 inch plants. Each, \$2.50.
 English Juniper—Pyramidal, grayish green. 18-24 inch plants. Each, \$1.00.
 Irish Juniper—Light green foliage, erect. 18-24 inch plants. Each, \$1.25.
 Savin Juniper (Juniperus Sabina)—15-18 inch. Each, \$2.00.
 Norway Spruce—Dark green, needle pine, graceful. 18-24 inch plants. Each, \$1.50.
 Larger sizes quoted on request.

Flowering Shrubs



Spirea Van Houtte

All hardy two year field grown plants.
 Althea—Pink, purple, red, white. Each, 50c.
 Barberry, Red Leaved—Each, \$1.00.
 Barberry, Thunbergi—Dwarf green. Each, 50c.
 Butterfly Bush—Each, 50c.
 Calycanthus—Sweet Scented Shrub. Each, 60c.
 Crepe Myrtle—Pink, purple, red. Each, 75c.
 Deutzia—Three varieties. Each, 60c.
 Forsythia—Golden Bell. Each, 50c.
 Gold Flower Hypericum—Yellow flowered plant; compact, low in growth. Each, 75c.
 Honeysuckle—Bush varieties. Each, 50c.
 Snow Ball—Common and Japanese. Each, \$1.00.
 Lilac—Purple and white. Each, 75c.
 Spirea Anthony Waterer—Blooms all summer. Red. Each, 50c.
 Spirea Van Houtte—Bridal Bower. Each, 50c.
 Spirea Prunifolia—Bridal Wreath. Each, 60c.
 Spirea Thunbergi—Snow Garland. Each, 75c.
 Philadelphus—Mock Orange. Each, 50c.
 Weigela Rosea—Deep pink. Each, 75c.
 Hydrangea—Hills of Snow and Grandiflora. Each, 75c.
 Weigela Eva Rathke—Dwarf flower, red. Each, 75c.

Perennial Phlox

Hardy Plants—Bloom Anywhere.
 Each, 25c; 3 for 70c; 12 for \$2.50.

Champs Elysees—Fine, dark red.
 Eclairneur—Rose with purple tint.
 H. O. Wijers—White with red eye; very showy.
 Mrs. Jenkins—Flowers large, pure white.
 R. P. Struthers—Cherry red with salmon.

Roots

RHUBARB ROOTS—Two-year roots, each, 30c; 6 for \$1.50; 12 for \$2.50; postpaid. Not prepaid, each, 25c; 6 for \$1.25; 12 for \$2.00.

ASPARAGUS ROOTS. Mary Washington—The best and largest variety. The shoots are snow white and tender besides being wilt resistant. Two-year roots, 12 for 50c; 50 for \$1.75; 100 for \$2.75. Not prepaid, 12 for 40c; 50 for \$1.50; 100 for \$2.50.

Hedge Plants

AMOR RIVER PRIVET—Almost entirely evergreen. Upright; dark green leaves. 25 for \$2.00; 100 for \$6.00.
 CALIFORNIA PRIVET—Leaves dark green. May be trimmed as desired. 25 for \$1.75; 100, for \$5.00.

Other sizes and varieties quoted on request.

Everblooming Bush Roses

All two year field grown hardy plants.

Set out roses very early in the spring before the sap rises. They will be sure to grow and will bloom the first season. Remember these are all heavy outdoor grown plants, two years old and they will please you.

All roses will be pruned ready for planting.

Price any variety: Each, 75c; 10 for \$6.00. By mail, post-paid, each, 85c.

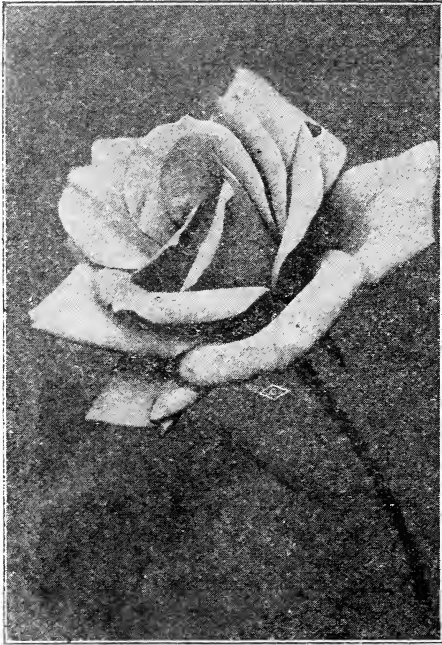
White Roses

Bessie Brown—Large, full white, double flowers.

K. A. Victoria—Glorious waxy white, very fragrant.

Snow Queen—Sometimes called white American Beauty.

White Cochet—White with a slight pink tinge.



Yellow Roses

Alexander Hill Gray—Deep lemon yellow, prolific bloomer.

Duchess of Luxembourg—Shaded orange, yellow and pink.

Etoile de Lyon—Bright sulphur yellow, rich color.

Lady Hillingdon—Golden yellow with long graceful stems.

Los Angeles—Rich flaming pink shaded golden yellow.

Madam Butterfly—Yellow shaded Indian red.

Natalie Bottner—Lemon yellow, large bold flower.

Ophelia—Salmon shaded rose, beautiful, opens full and double.

Sunburst—Orange copper, shaded to deepest golden.

Pink Roses

Columbia—Clear pink deepening to a glowing pink.

Jonkheer, J. L. Mock—Bright pink faced with carmine.

Killarney—Large bud, fragrant carmine pink.

Mrs. Chas. Bell—Shell pink with salmon shading.

Paul Neyron—Very large, dark rose pink.

Pink Maman Cochet—Rosy pink, a rich beautiful shade.

Radiance—Brilliant rose pink, very fragrant.

Wm. R. Smith—Salmon pink blended with cream.

Red Roses

Etoile de France—Velvet crimson, very fragrant.

Francis Scott Key—Brilliant scarlet crimson.

Gen. Jacqueminot—Free blooming, shining deep red.

Gross an Tepitz—Fiery crimson, shaded dark velvet.

Hadley—Rich, velvety crimson.

Hls Majesty—Bright scarlet, large, handsome.

National Emblem—Deep crimson, overlaid velvety crimson.

Red Radiance—Free bloomer, a clear red color.

Special Offer

One each of the twenty-nine Everblooming Bush Roses listed for only \$14.50. Two each of the above Everblooming Bush Roses, 58 roses in all, for only \$28.00.

Climbing Roses

All hardy field grown plants, two years old, that will live and grow and bloom the first season if planted early in the spring.

Each, 50c; 10 for \$4.00.

Crimson Rambler—Flowers in clusters of vivid crimson.

Dorothy Perkins—Shell pink shading to deep rose.

Excelsa—Red Dorothy Perkins. Dark crimson.

Flower of Fairfield—The everblooming Crimson Rambler.

Silver Moon—Large clear silvery white.

Tausendschoen—Shade flushed white and yellow.

White Dorothy Perkins—Pure white, rapid grower.

Special Varieties

Maréchal Niel—Golden yellow climber, rich tea fragrance; a vigorous climber. Each, \$1.00.

Souv. de Claudius, Pernet—Of recent introduction; a beautiful shade of sulphur yellow. Each, \$1.00.

Rose Suggestions

Give roses a sunny position. By so doing you will be rewarded with larger and better blooms.

When planting be sure and trim them back to two or three good buds on each branch.

The Tea and Hybrid roses should be shortened back each year by cutting half of the previous season's growth which will result in more and better blooms with larger stems.

How To Spray Roses

First spraying should be done with Lime Sulphur, 1 to 6, during February. For aphids and lice, which most always destroy the spring blossoms, use Black Leaf 40, Nikoteen, Volck, Melrosine or Lotol. For chewing insects use Arsenate of Lead, Slug Shot, Niagara Dust. For blight and mildew use Bordeaux Mixture and Sulphur. Lime Sulphur mixed with Arsenate of Lead and Nikoteen will correct many fungus troubles on roses. Pomo Dust and Funtrogen cure Black Spot on roses.

Russell-Heckle's Fruit Tree Collections

All first grade trees and plants, true to name. Guaranteed to please you. At these special prices, no changes in varieties will be allowed.

All collections shipped from nursery, express collect.

Top Notch Peach Tree Collection, Only \$7.50

30—2-Year Peach Trees—30
Regular value \$13.50. Our special offer, \$7.50.
5 Belle of Georgia 5 Carman
5 Elberta 5 Heath Cling
5 Mayflower 5 J. H. Hale.

Top Notch Apple Tree Collection

30—2-Year Apple Trees—30
Only \$7.50
Regular value, \$13.50. Our Special Offer, only \$7.50.
5 Delicious 5 Winesap
5 Yellow Transparent 5 Mammoth Black Twigs
5 Grimes Golden 5 Arkansas Black.

Home Fruit Tree Collection

35—Assorted Fruit Trees—35
Only \$11.00
All 2 years old. Regular value, \$19.25. Our special offer, only \$11.00.
5 Carman Peaches 5 Delicious Apples
5 Elberta Peaches 5 Yellow Transparent Apples
5 Abundance Plums 5 Duchess Pears
5 Montmorency Cherries

Bargain Peach Tree Collection

50—1-Year Peach Trees—50
Only \$7.00
All labeled, true to name—no changes. Our special offer, only \$7.00. Regular value \$10.00.
5 Mayflower 5 Belle of Georgia
5 J. H. Hale 5 Elberta
5 Champion 5 Carman
5 Greensboro 5 Heath Cling
5 Old Mixon Cling 5 Hilley or Early Bell

Top Notch Grape Vine Collection

30—1-Year Grape Vines—30
Only \$3.50
All labeled. Regular value, \$6.00. Our special offer, only \$3.50.
5 Concord 5 Moore's Early
5 Niagara 5 Brighton
5 Worden 5 Campbell's Early

Strawberry Plant Collection

400—Fine Strawberry Plants—400
Only \$3.00
All labeled, certified plants. No changes allowed. Regular value, \$4.80. Our special offer, only \$3.00.
100 Missionary, early 100 Klondyke, midseason
100 Lady Cornelle, midseason 100 Aroma, late
Sent postpaid to any address for only \$3.00.

Top Notch Shrub Collection

12—Fine 2-Year Shrubs—12
Only \$3.25
All properly labeled. Regular value, \$4.80. Our special offer, only \$3.25.
2 Red Aithea 2 Forsythia, Golden Bell
2 Philadelphia, Mock Orange 2 Spirea, Anthony Waterer
2 Spirea, Van Houttei 2 Weigela, Rosa

Perennial Plant Collection

12—Fine Perennials—12
Only \$2.00
All hardy field grown. Regular value, \$3.00. Our special offer, only \$2.00.
2 Coreopsis 2 Delphinium
2 Golden Glow 2 Grass Pink
2 Gysophila 2 Mallow Marvels.

Spray Materials and Insecticides

Our services in this department is free; do not fail to come to us for any information needed in the spraying line. We keep up to date and have in stock the very newest and best materials for spraying at all times. Poisonous insecticides and liquids are not mailable. Prices are F. O. B. Memphis and subject to fluctuations, buyer paying carriage charges, excepting where priced parcel post paid.



Acme Garden Guard

A garden insecticide and fungicide for use as a dust. No water, no mixing, no mists. For use on: cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds. 1 lb. sifter carton, 25c; 5 lbs., \$1.00.

Arsenate of Lead

Kills every insect that eats it; superior in every way to Paris Green as it does not burn or scald the foliage, can be used dry as a powder or as a solution in water. 1/2 lb., 25c; 1 lb., 40c; 4 lbs., \$1.20. Not mailable.



Acme Bait-M

An effective insecticide bait which will throw a ring of protection around shrubs, flowers and plants in garden and lawn. For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground. 1 lb., 25c; 3 lbs., 60c.



Antrol

The National Ant Control

Antrol

Destroys ants the right way; gets them at their source, safe, permanent, effective. Quickly destroys sweet eating ants. The ants smell the syrup and eat it, then transmit its mild poison to the queen, thus destroying the whole colony.



Prices Antrol Sets

9 containers, 1 1-pt. bottle syrup.....\$1.00
4 containers, 1 4-oz. bottle syrup..... 1.00
Antrol extra containers..... .15
Antrol Syrup, 4-oz. bottle..... .50
Antrol Syrup, pint bottle..... 1.00

Aphistrogen

Destroys the destructive aphids in two or three applications. For all plants subject to aphids or plant lice. All these sprays carry the noted Rosenbluth leaf fertilizer—Hortogen. Complete with spreader ready for use. Simply mix with water.

Prices

2 ozs.....\$0.50
4 ozs..... .75
1/2 lb..... 1.25
By parcel post, 2 ozs., 55c; 4 ozs., 80c;
1/2 lb., \$1.35.

Black Leaf 40

Kills Aphids

Blackleaf 40

A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preparations for general sucking insects. Kills poultry mites. Oz. bottles, 35c; 1/2 lb. pkg., \$1.25; 2 lb. pkg., \$3.25; 10 lb. tin, \$11.85; not mailable.

Blackleaf 40 Dust

Sure death to aphids. Apply dry as it comes from the can. 5 lbs., \$1.25; not mailable.

Bi-Sulphide of Carbon

For keeping weevils and other insects out of grain and cow peas. Pour in shallow vessel and place on top of grain, covering the container, as the fumes descend into the grain. 1 lb., 60c; 5 lbs., \$2.25; not mailable.



Bordeaux Mixture—Dry

The new form of Bordeaux will keep indefinitely; cures and controls blight. 1 lb., 30c; 1 lb., \$1.00; not mailable.

Bordeaux With Arsenate of Lead—Dry

Controls at one spraying, all fungus troubles and insects. 1/2 lb., 30c; 1 lb., 50c; 4 lbs., \$1.60; not mailable.

Bug Death

Very safe, being non-poisonous; effective on all garden insects. Price by freight, 1 lb., 20c; 3 lbs., 45c; 5 lbs., 60c; 12 1/2 lbs., \$1.25. Parcel post, 1 lb., 30c; 3 lbs., 60c; 5 lbs., 80c; 12 1/2 lbs., \$1.70.



Bug Death Alpha

Recommended for both sucking and chewing insects, especially effective for aphids or lice, non-poisonous. 12 oz. box, 25c; by parcel post, 32c.

Calcium Arsenate

Recommended by all experimental stations for cotton boll weevil; also a sure remedy for army and other worms. 1 lb., 35c; 4 lbs., 80c; not mailable.

Corrosive Sublimate

Used for treating sweet potatoes before bedding to prevent black rot and other fungus diseases. One ounce will make 8 to 10 gallons of water, enough to dip 8 to 10 bushels of sweet potatoes. 1/4 lb., \$1.00; 1 lb., \$2.75; not mailable.

Dipdust Bayer

For larger yields of cleaner potatoes; for increasing your corn crop 8 to 30% at a cost of less than 5 cents per acre; to increase the germination in all seeds and allows earlier planting of seed corn. One pound treats 5 bushels of corn, peas, beans and vegetable seeds or 10 bushels of potatoes. 4-oz. pkg., 50c; 1-lb. pkg., \$1.75; 5-lb. pkg., \$8.00. Cannot be mailed.



Derrisol

Derrisol is highly concentrated, non-poisonous, brownish liquid, combined to make an efficient contact insecticide that is odorless.

Derrisol kills aphids, or plant lice, red spiders, flea hoppers, green flies, sucking insects, leaf eating larvae. It will not stain plants, can be mixed with hard or soft water, needs no soap as a spreader.

Circulars on application. 1 oz. bottle makes 4 gallons, 35c; by parcel post, 40c; 1/2 lb. bottle makes 50 gallons, \$1.20, by parcel post, \$1.35; 1 lb. cap makes 100 gallons, \$2.00, by parcel post, \$2.20.

Dritomic Sulphur

Combines the excellent qualities of atomized sulphur in dry powdered form. It is easy to handle and ready to mix and can be used with arsenate of lead with a small amount of lime added. The use of Dritomic Sulphur will prevent all fungus troubles, bitter and brown rot, scab, etc. Full directions and circulars on request. 4-lb. pkg., 80c; by parcel post, 4-lb. pkg., \$1.00.



Ever Green

Kills them all, safe to use on tender plants and blossoms, cannot burn, non-poisonous, kills greenhouse insects, will not gum the sprayer, requires no agitation while spraying and keeps its strength indefinitely.

Ever Green, which is non-poisonous, will eliminate all dangers for you and at the same time control insects such as aphids, cutworms, squash bugs, potato bugs, caterpillars, beetles, etc., quickly, safely and economically. 1 1/2-oz. bottles, 35c; by mail, 45c. 6-oz. bottles, \$1.00; by mail, \$1.15. 16-oz. bottles, \$2.00; by mail, \$2.15. 32-oz. bottles, \$3.85; by mail, \$4.00.



Ferogen

Spring-Summer Ground Dressing and Ground Stabilizer. A valuable plant food. Reinforces manure fertilizer. Supplies essential chemical elements to the soil.

PRICES

1-lb. tins.....\$0.75 5-lb. tins.....\$2.75
2-lb. tins..... 1.25 10-lb. tins..... 4.75
By mail, 1 lb., 85c; 2 lbs., \$1.35 5 lbs., \$2.90.
NOTE—A 10-lb. tin is sufficient for one application for 30 to 50 rose bushes.

Formalin

Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only. 1/2-lb. bottle, 40c; 1-lb. bottle, 60c; not mailable.

FOR QUANTITY PRICES ON INSECTICIDES see Green Ink List in back of book.

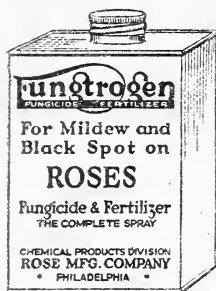
Fluosilicate Dusting Powder

Controls cut worms, ants, roaches, chicken lice, moths, cucumber and potato beetles, and flea beetles, controls worms on cantaloupes. Fluosilicate is less dangerous than arsenicals and more effective as it is a contact as well as a stomach poison. Use lightly to prevent burning. Sold in bulk only. 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.80; not mailable.

Forty-Three for the Tree

Protects wounds, sticks and will not crack. When pruning heavy limbs apply 43 for the tree.

1-lb. cans, 60c; by parcel post, 70c.
2½-lb. cans, \$1.25; by parcel post, \$1.40.
5-lb. cans, \$2.20; by parcel post, \$2.40.



Funtrogen

A highly concentrated fungicide that conquers mildew, controls black spot on roses and is an effective plant stimulant as well.

½ pt., 75c; by parcel post, 85c.

Pint, \$1.25; by parcel post, \$1.35.

Quart, \$2.00; by parcel post, \$2.15.
Gal., \$6.00.

Grape Dust

Prevents and cures blight on all plants; very effective on roses; not poisonous. By freight, 1 lb., 25c; 5 lbs., \$1.00. By parcel post, 1 lb., 35c; 5 lbs., \$1.25.

Insectroge

For leaf-chewing insects—caterpillars, slug worms, Japanese beetles, etc., and blights. A powerful insecticide. Used alternately with Funtrogen. Both carry their own spreader. 4-oz. bottle, 60c; by mail, 70c.

Insect Checker

Sure death to all leaf-eating insects. Box, 20c; not mailable.



Kayso

Prepared casein, a spreader and adhesive for use in connection with Lime Sulphur, Bordeaux and Arsenate of Lead. Simplifies spraying, makes possible the perfect coating of every part of the tree and leaves. Remember that Kayso is not only a spreader and binder; it makes the poison stick and resistant to washing effect of rains; also saves material. Ask for circulars. 2-lb. package is sufficient for 100 gallons spray. 8-oz. can, 55c; 2 lbs., 60c; 10 lbs., \$2.50. By parcel post, 8-oz. can, 45c; 2 lbs., 75c; 10-lb. bag, \$2.75.

Quantity Prices

For quantity prices on Insecticides see Green Ink List in back of book.



Lime Sulphur Solution

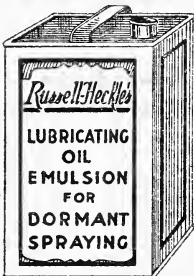
A concentrated liquid form easily mixed. Simply add 9 gallons of water to 1 gallon of the solution. Mixes easier than the dry; will not clog the nozzle. Qt., 40c; gal., 90c; not mailable.



Lime Sulphur—Dry or Powdered

For dormant spraying against San Jose scale; peach blight and peach leaf curl; for summer spraying against such fungus diseases as apple scab, pear scab and against Red Spider. Mix in water and save the freight. Full directions come with every package. 1-lb., pkg., 55c; 5-lb. pkg., \$1.00; 10-lb. pkg., \$1.80. By parcel post, 1 lb., 45c; 5 lbs., \$1.25.

Lubricating Oil Emulsion



For dormant spray to control scale, Oil Emulsion Spray has no equal; it creeps and covers every part of the tree; use it in February on a bright, warm day; avoid exposure to freezing.

Made according to formula in U. S. Farmers Bulletin, No. 933—use 2 gallons to 48 gallons of water. Qt., 40c; 1 gallon can, 90c; f. o. b. Memphis.

Melrosine

Kills and prevents rose bugs, blister, beetles, candle bugs, is effective and pleasant to use. It is one of the best non-poisonous insecticides. 6-oz. can., 50c; by parcel post, 60c.



Niagara Nico A1 Dust

Contains Nicotine and other finely powdered insecticides, controls fungus troubles of all kinds. 1-lb. box, 50c; bulk, 10 lbs., \$5.00; not mailable.

Niagara Ento Dust

Controls beetles, worms, caterpillars and external chewing insects. 1-lb. box, 50c; not mailable.

Niagara No. 3-D-6 Dust

Controls mildew, blight and other fungus diseases. Per box, 50c; not mailable.

Niagara No. 5-D-20 Dust

A combination dust for fungus troubles, mildew, blight, worms, caterpillars and other chewing insects. 1-lb. box, 50c; not mailable.



Paris Green

Has been on the market for many years, and is known for its effectiveness. It must be used with care; one teaspoonful to one gallon of water will be safe. Add 2 tablespoonfuls of lime to prevent burning. ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.00; not mailable.

Para-dichlor benzene

Peach Tree Borer control. Discovered at last, a sure cure for peach tree borer.



Time of application, October 1st to November 31st. Para-dichlor benzene must not be used on any trees under 4 years old, as it is very powerful and will harm young trees. No danger in handling this wonderful discovery as it is non-poisonous to man. Para-dichlor benzene can also be used in March.

Prices: ½-lb. box, 35c; 1-lb. box, 50c; 5 lbs., \$2.00; 10 lbs., \$3.50. By parcel post, ½ lb., 45c; 1 lb., 60c; 5 lbs., \$2.25; 10 lbs., \$3.80.

Peach Mix

A summer spray on peaches and plums, for use in place of self or home boiled Lime Sulphur, for the control of brown rot, scab, and leaf spot. Use 1 lb. to 5 gallons of water, first application, when the husks fall and add two tablespoonfuls of Arsenate of Lead to each 5 gallons of spray mixture. This is to control brown rot, scab, leaf curl and curculio. 1 lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.50. By parcel post, 1 lb., 35c; 5 lbs., \$1.15; 10 lbs., \$1.75.

Pomo Dust

For black spot on roses, when the leaves on the rose plants turn yellow and have small black spots on them, causing them to drop off, you can correct this trouble which many think is blight with Pomo Dust. 1 lb., 50c; 5 lbs., \$1.50; not mailable.



Pyrox

For leaf eating insects and plant diseases. Pyrox is a combined insecticide and fungicide that kills bugs, prevents blights and rots, and improves the foliage. Use it for all garden vegetables, potatoes, fruits and rose bushes. A pound makes 4 to 5 gallons; 10 pounds will spray an acre of potatoes. Not prepaid, 1 lb., 50c; 5-lb. pkg., \$1.75; 10-lb. pkg., \$3.00. Cannot be mailed.

Scalecide, Pratt's



(For San Jose Scale)—A high grade miscible oil spray; it is especially recommended for spraying trees in the dormant state. For San Jose Scale it is even more effective and spreads better than lime sulphur, and it will control some scale insects, such as terrapin scale, oyster shell scale and lecanium scale, that are not readily controlled by lime sulphur. For the dormant spray use one part scale oil to 15 parts of water. Not prepaid, qt., 75c; gallon, \$1.75; 5 gallons, \$6.25; 10 gallons, \$10.60.

SEMESAN

Makes Seeds Healthy

SEMESAN is recommended by the American Rose Society for the treatment of brown canker and other diseases of rose bushes, such as mildew and black spot. It is recognized by growers everywhere as the most effective treatment for the control of damping-off diseases.

It is the only seed, plant and soil disinfectant that can be used in either dust or liquid form. Easily applied at a surprisingly low cost.

Prices Semesan for all Small Seeds: 2 oz., 50c; 8 oz., \$1.60; 1 lb., \$2.75.

Semesan Junior, for Corn, 4 oz., 60c; 1 lb., \$1.75.

Semesan Bell, for Potatoes and Bulbs. 1 lb., \$1.75.

Send for FREE SEMESAN Booklets



Slug Shot

Especially effective against cut worms and is not poisonous. Price, by freight, 1 lb., 20c; 5 lbs., 60c; 10 lbs., \$1.15. By parcel post, 1 lb., 30c; 5 lbs., 75c; 10 lbs., \$1.40.

Sulfocide

(Pratt's). A sure preparation for the second spraying on peach trees. Prevents wormy fruit; does not burn and easy to use. Directions on each can. Pt., 70c; qt., \$1.00; gal., \$2.75; not mailable.

TEROGEN

A Soil Disinfectant and Fertilizer for Fall and Winter

Tero-gen kills larvae and eggs of insects, destroys disease spores. Has fertilizing and toning qualities, keeps field mice and moles out of rose beds. Tero-gen repels cut worms and other soil insects. Helps control black spot on roses when used with Fungitogen. 2-lb. tin, \$1.25; by mail, \$1.35. 5-lb. tin, \$2.75; by mail, \$2.95.

STANDARD INSECTICIDES

Not Mailable

Arsenate of Zinc—Kills potato bugs. 1 lb., 45c.

Blue Vitrol—Copper Sulphate Crystals. 10 lbs., \$1.50.

B. T. S.—For dormant spraying. 5 lbs., \$1.00.

Cynogas—Kills ants, rats, etc. 1 lb., 75c.

Death Mist—Guaranteed Fly Spray. Bottles 40c and 60c.

Fly Flu—Guaranteed Fly Spray. Bottles 35c and 75c.

Kalinex—Controls codling moth. 4 lbs., 80c.

Koloform—Controls peach rot. 4 lbs., \$1.00.

Marvel Ant Gelatine—Destroys ants. Jar, 50c.

Plant Guard—For sucking and chewing insects. Box, 50c.

Red Star Insecticide—For ants, roaches, etc. Gal., \$2.00; 5 gals., \$8.00.

Soluble Sulphur Compound—For dormant spraying. 10 lbs., \$1.00.

Potassium Sulphate. 10 lbs., \$1.00.

Thousand Dollar Roach and Ant Killer. 35c and 65c cartons.



Separate after once being emulsified; dilute one part to 20 parts of water for dormant spray. 1-gal. can., \$1.50; 5-gal. can., \$6.25.

"Sure-Noxem"

One of the best vegetable insecticides in use. Specially recommended for destroying worms beetles, leaf hoppers aphids, etc. 1-lb. box, 25c; 5-lb. pkg., 80c; not mailable.

Tobacco Dust

Especially desirable for use against lice and sucking insects. By freight, lb., 15c; 10 lbs. \$1.00. By parcel post, lb., 25c; 10 lbs., \$1.35.



CROW-TOX A Crow Repellent

Crow-Tox protects corn from Crows, Blackbirds, Moles, etc. It aids and hastens germination, which means healthier stalks and larger yield per acre. Crow-Tox will not kill birds or animals. Saves seed loss and replanting.

Large can, treats 2 bushels seed corn, \$1.50.

Small can, treats 1 bushel seed corn, \$1.00.

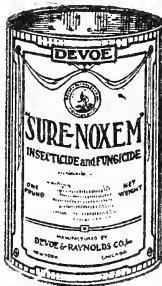
Postage 10c each extra.

Circulars on request.

Sunoco Self Emulsifying Spray Oil

For dormant spray provides an economical, effective and complete control of scale insects, red spiders, leaf roller, aphids, thrips and other insects that over winter on trees.

Sunoco Self Emulsifying Spray Oil mixes with any kind of water and will not



Tree Tanglefoot

Use as a band on all kinds of trees; will prevent any kind of crawling insects on them. By freight, lb., 50c; 5 lbs., \$2.25. By parcel post, lb., 60c; 5 lbs., \$2.45.



Champion Tree Killer

For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening. Will kill Johnson Grass, Sprouts, Grubbs, etc. Guaranteed to do the job. Gal., \$1.25; f. o. b. Memphis.

Volck

A powerful insecticide used as a spray to overcome red spider, aphids, white flies,



mealy bugs, etc. Volck is easy and pleasant to handle; does not burn and has no odor. The use of Volck is safe and simple. Ask for circulars. ½ pt., 35c; pt., 60c; qt., \$1.00; 5 gals., \$8.00. By parcel post, ½ pt., 45c; pt., 70c; qt., \$1.15.

Atlas Weed Killer

The non-poisonous weed killer, no danger. One gallon makes 20 gallons; kills wild onion, dandelion and other wild grasses. Qt., \$1.00; gal., \$2.25; f. o. b. Memphis.

ATLAS WEED KILLER DUST
3-lb. sifter top can, \$1.50.



The National Pest Control

Snarol

Science provides a new method that does the work safely and quickly; kills cut worms, snails, sow bugs, grass hoppers, slugs, etc.

Snarol is a ready prepared meal that you simply broadcast on the ground around the growing plants. The pests eat the meal and are quickly destroyed.

1-lb. carton, 50c; 3-lb. carton, \$1.00; not mailable.

Thousand Dollar Flea and Bed Bug Killer.

35c and 65c cartons.

Tuber Tonic—For the potato beetle. ½ lb., 30c; 1 lb., 50c.

Wettex—For apple and peach summer spray. 8-lb. bag, \$1.00.

STANDARD INSECTICIDES

Non-Poisonous, Mailable

Bee Brand Insect Powder—Always dependable. Can, 25c; postpaid 30c.

Grafting Wax—For general grafting work. ½-lb. bar, 35c; postpaid, 40c.

Lotol—Jelly form for aphids. 1 oz., 25c; 3 oz., 50c; postpaid.

Powdered Sulphur—Called Fine Dusting Sulphur. 1 lb., 15c; 10 lbs., \$1.00; by mail, add 5c per lb.

Sulpho Tobacco Soap—For insects on plants. Cake, 10c and 20c; postpaid 15c and 25c.

What and When to Spray

Begin early—don't procrastinate. Dormant spraying should be done in January and February. Use a good force pump, either bucket or barrel sprayer depending

on the number of trees you have. Remember all the spray materials should be put on in a fine mist with ample force so as to reach every part of the tree.

Apple, Pear, Quince—First spraying January or February. Use Lime Sulphur Solution, Sunoco Oil, Scalecide or Oil Emulsion for San Jose Scale. Second spraying when fruit has set. Use Lime Sulphur with Arsenate of Lead, diluting 1 part to 50 parts water. For woolly aphids, use Blackleaf 40. Third spray, use Bordeaux Mixture, add Kayso.

Peaches, Plums, Cherry—First spray in January and February. Use Lime Sulphur, Oil Emulsion, Scalecide or Sunoco Oil. Second and third spraying, when blossoms have fallen and fruit is set, use Peach Mix or Drimotic Sulphur with Arsenate of Lead. For Brown Rot spray in April and May with Drimotic Sulphur and Arsenate of Lead, or Peach Mix and Lead, always add Kayso to Peach Mix. For Peach Borers use Para-dichloro benzene, 1 ounce to the tree, either in March or October.

Grapes—First spraying January or February with Lime Sulphur 1 to 10 Sunoco Oil or Scalecide, 1 to 15. Second spraying when fruit has shown, using Bordeaux Mixture, diluting 1 to 8. Third spraying, use Bordeaux Mixture and add Blackleaf 40.

R.-H. Co.'s Spray Pumps

We handle several of the best lines of Orchard, Bucket and Compressed Spray Pumps. Every pump guaranteed to give satisfaction. We will make special prices on large jobs such as Power Sprayers, etc. Ask us for catalog.

Compressed Air Sprayers



Hudson Junior No. 140 Sprayer—The Junior Sprayer is designed for the man who wants an efficient, high pressure compressed air sprayer of smaller size. It is ideal for the back yard garden or small truck farm; for use around the chicken house, in the dairy barn, hog pen, or for floor oils and disinfectants in schools, theaters, hotels, and other public buildings. It is light enough for women or children to use.

Hudson Junior No. 140C—2½-gallon galvanized tank, \$5.00; by parcel post, \$5.35.

Hudson Junior No. 110B—2½-gallon, brass tank, \$8.00; by parcel post, \$8.35.



Hudson No. 110 Perfection Sprayer—One of the most dependable outfits, strong and durable, with automatic nozzle that can be adjusted for any spray from finest to solid stream. The Hudson Sprayers are fitted with 12-inch extension rod.

No. 110G—4-gal. galvanized tank, \$6.50; by parcel post, \$6.95.

No. 110B—4-gal. brass tank, \$9.50; by parcel post, \$9.95.



Brown Auto Sprayers—An excellent all around sprayer for small trees, field crops, home and truck garden, vines, chicken houses, etc. Also recommended for removing wall paper. May also be used for applying whitewash.

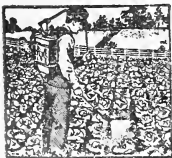
It has a simple and durable lever cam locking device that permits of quick and easy loading of tank and instant air tight locking. Two pumpings of 15 strokes will discharge tank under constant pressure.

No. 9D—3½-gal. galvanized tank, \$6.25; by parcel post, \$6.70.

No. 9B—3½-gal. brass tank, \$9.25; by parcel post, \$9.70.

No. 201D—Auto Victory Sprayer—A reasonable priced good sprayer to meet any competition. 4-gal. capacity, galvanized tank. Price, only \$5.00 each; parcel post, \$5.50 each.

Knapsack Sprayers



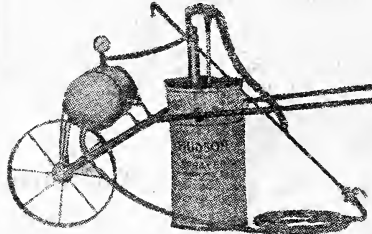
The Myers No. R330 Perfect Galvanized Knapsack Spray Pump—Fitted with 5 ft. of ¾-in. hose, stop cock, pipe extension, and Bordeaux, or graduating Vermorel spray nozzle which can be graduated from a fine mist spray to a solid stream. \$11.00.

Myers No. R331 Perfect Copper Knapsack Spray Pump—Complete with hose, stop cock, pipe extension, and Bordeaux, or graduating Vermorel nozzle, as above. \$15.00.

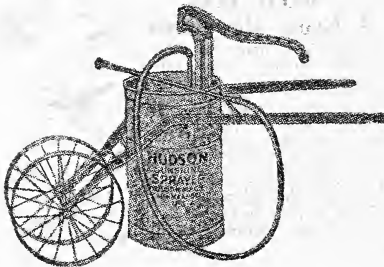
Portable Sprayers



Hudson No. 32 Ideal Portable Sprayer—Equipment, tank 12 gallons, portable, attached to an iron wheelbarrow frame with wheel; 10 feet ¾-inch pressure hose; 10 feet pipe extension; one T shut-off cock; one nozzle. Weight, 65 lbs. \$23.50.



Hudson No. 33 Ideal—Differs from No. 32 in that it is equipped with a reserve air pressure gauge and tank. Once the desired pressure has been reached this reserve air chamber enables the operator to maintain an even high pressure without pumping. No. 33 Ideal Sprayer, galvanized supply tank. \$32.75.



Hudson No. 36 Sunshine Sprayer—This wheelbarrow sprayer fits the needs of the florist or nurseryman, because its width permits its use between the narrow rows. It is also adapted for orchards, vineyards, and for whitewashing. Pump is fitted with dasher type agitator. Tank is heavy galvanized steel; capacity 12½ gallons. Discharge equipment consists of 5 feet of ¾-inch 5-ply spray hose, angle spray nozzle and 2-foot iron pipe extension. Each, \$14.75.



Myers No. R336B Portable Sprayer—Capacity 12½ gallons, tank made of heavy galvanized iron, equipped with portable wheelbarrow frame; has cog gear spray pump, agitator with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension; this is a handy equipment, fully guaranteed. Complete, \$21.00.

No. R337B—Two-wheel, \$21.00.

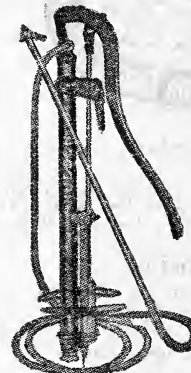
Barrel or Orchard Spray Pumps



Myers No. R318B—Has bronze ball valves and brass seats. Plunger is self-expanding and the cylinder and pipes are all brass. Price, with one lead of 15 feet of ½-inch 5-ply discharge hose, graduating Vermorel nozzle and mechanical agitator, \$14.00.

PAT JET AGITATOR

Myers No. R305B—Attaches to the side of barrel. Price, with one lead 15 feet of ½-inch 5-ply discharge hose, Vermorel nozzle and mechanical agitator, \$12.50.

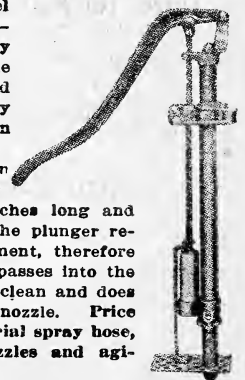


Hudson Barrel Spray Pump No. 4A—The Hudson Barrel Pump will meet all requirements. It is powerful, light and durable, and will maintain a working pressure of 200 pounds. Handles whitewash, cold water paints, disinfectants, insecticides, etc. Furnished with attachment for mounting on chime of barrel.

No. 4A—Pump, with 6-ft. ¾-in. 5-ply spray hose and 4-ft. extension rod—total 10 ft., and angle ideal nozzle. \$12.75. Fitting for mounting on head of barrel, extra, \$1.95.

Paragon Barrel Pump No. 540—Paragon Spray Pump has the greatest and most necessary improvement on any sprayer.

The Paragon cannot clog. The strainer is 4 inches long and each stroke of the plunger removes any sediment, therefore the liquid that passes into the pump is always clean and does not clog the nozzle. Price with 15 feet special spray hose, three spray nozzles and agitator, \$11.00.



Hudson No. 27 Spray Boom—Equipped with four nozzles adjustable for rows 32 to 42 inches apart; can be used in connection with any barrel sprayer, making it an ideal outfit for spraying cotton fields or other crops. Price of Boom No. 27, \$9.50.

EVER GREEN
NON-POISONOUS INSECTICIDE

The modern spray, kills both chewing and sucking insects. Non-poisonous, harmless to humans or animals. 1½-oz. bottle, 35c; by parcel post, 45c.

Bucket Spray Pumps



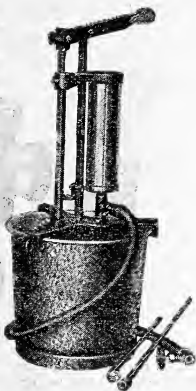
Myers Bucket Sprayers—These spray pumps are constructed entirely of brass. They are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in proper position.

Myers No. R324 Spray Pump—A combination bucket and barrel spray pump; can be used either way; it has cog gear handle with large cylinder. Price, with nozzle, \$6.00; by parcel post, \$6.35.

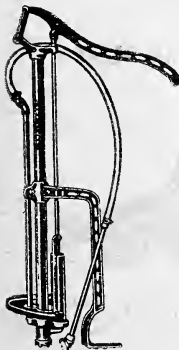
Myers No. 325 Bucket Pump—Makes fine or coarse spray; all brass; provided with a good air chamber. \$3.75; by parcel post, \$4.00.

Paragon No. 6 Bucket Pump—The most useful sprayer for farm and home for spraying trees and shrubs; white-washing stables and chicken houses; washing windows and automobiles. Equipped with nozzles for throwing solid stream or spray. Equal pressure is developed on both up and down strokes—thus giving a continuous stream or spray. Capacity, 5½ gallons.

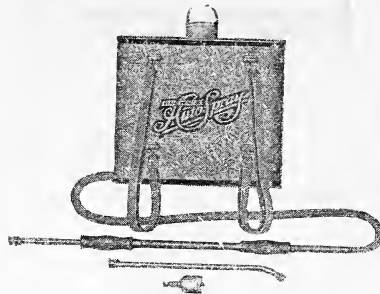
Equipment—4 feet special spray hose, 3 feet spray pipe, one mist spray nozzle, one steel cap for whitewashing, one straight spray. \$11.75.



Hudson No. 126 Marvel Bucket Pump—A convenient portable outfit because it can be used with any bucket, pail or small tank. Unusually long foot rest permits using higher bucket than most pumps will accommodate. Nozzle discs are reversible producing any desired spray from finest mist to coarse stream. \$6.00 each.



Bucket and Knapsack Sprayers



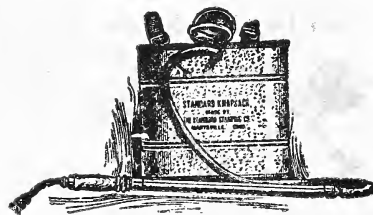
Brown's Auto Spray No. 5

Brown's Auto-Spray No. 5—Throws continuous sprays on both the up and down strokes and requires about one-half the energy of other pumps of this type. Suction end containing strainer is weighted and will not work out of bucket.

Specifications: Solid brass throughout.

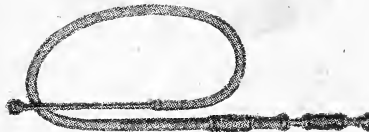
Uses: This machine is a most variable equipment and is equally well suited to spraying trees, vines, garden truck, potatoes and any field crop. It may also be used for handling disinfectants, washing automobiles, windows, fire fighting, etc.

	Not Prepaid	Postpaid
Price, complete, with tank as shown	\$8.00	\$8.75
Price sprayer only.....	4.75	5.00
Price galvanized tank only 3.25	3.75	
Price extension elbow.....	.60	.70



Standard Brass Spray Pumps—A pump gun style sprayer, made entirely of brass, with different nozzles; you can spray large or small orchards, potatoes or garden crops and poultry houses and will also spray whitewash satisfactorily.

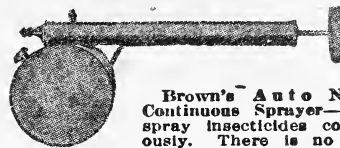
	Not Postpaid	Postpaid
Price, complete with tank as shown	\$8.40	\$9.00
Price sprayer only.....	5.00	5.25
Price tank only.....	3.40	3.80
Price extension attachment 1.00	1.00	1.10



Hudson No. 123 Trombone Sprayer

Hudson No. 123 Trombone Sprayer—A high pressure spray pump adapted for spraying orchards, vineyards, shrubbery, shade trees, potatoes and field crops; for whitewashing, disinfecting, spraying stock dip and fly oils, washing windows and automobiles. It is double acting and continuous, maintaining a steady discharge. May be used with a bucket, barrel or tank. Fitted with all-purpose nozzle which produces any desired type of spray from a fine fog to a solid stream. Each, \$1.50; by parcel post, \$1.80.

Continuous or Compressed Air Hand Sprayers



Brown's Auto No. 26 Continuous Sprayer—Will spray insecticides continuously. There is no other machine like it for power, efficiency and easy operation. Unequaled for small garden and house plant sprays. Handles all insecticides, fly and mosquito exterminators. Trouble proof construction. Every part can be reached for quick and easy cleaning.

Brown Auto No. 26A—1-quart tin sprayers, each, 85c; by parcel post, \$1.10.

Brown No. 26C—1-quart all brass sprayer, each, \$1.50; by parcel post, \$1.75.

Brown Auto No. 26D—1-quart galvanized tank sprayer, each, \$1.00; by parcel post \$1.25.



Hudson Continuous Sprayer—This continuous sprayer produces a very fine atomized mist continuously. Will handle any solution which does not contain sediment. Check valve and syphon tube easily removable. No. 124 Continuous Sprayer—Capacity one quart. Price, tin, 85c; brass, \$1.25; postpaid, 15c extra.



New Era Continuous Sprayer—A continuous sprayer with 3-quart capacity, durable, simple, easy to clean, handles all kinds of insecticides and disinfectants; made of all brass. New Era No. 23C 3-qt. sprayer, each, \$3.00; by parcel post, \$3.35.

Brown's Auto No. 26AG Sprayer—With glass tank, therefore can be easily cleaned. A continuous sprayer that is a real pleasure to use because it operates with so much ease. Price No. 26AG 1-Qt. Continuous Sprayer, each, \$1.25; by parcel post, \$1.50.

REPAIRS FOR BARREL AND BUCKET SPRAYERS, COMPRESSED AIR AND HAND SPRAYERS

	Each
Leather Plunger Washers for Barrel Sprayers	\$0.25
Leather Plunger Washers for Bucket Sprayers .....	.25
Leather Plunger Washers for Hand Sprayers .....	.10
Leather Plunger Washers for Compressed Air Sprayers.....	.10
Rubber Gaskets for Compressed Air Sprayers .....	.10
Check Valves and Washers for Compressed Air Sprayers.....	.10
Check Valve Springs for Compressed Air Sprayers .....	.10
Washers for Spray Nozzles.....	.05
Connecting Washers for Nozzles.....	.02
Spray Whirl Discs for Nozzles.....	.15
Brass Screens for Spray Nozzles.....	.15
Hose Clamps, galv., ¼ to ½ inch....	.05

Be sure to give sizes wanted and name of manufacturer of your spray pump.

Hand Sprayers



These are the single stroke sprayers that will give good satisfaction, are well made and with ordinary care will last well. Should be kept well oiled.

No. 452—1-qt. Tin Sprayers. Each, 50c; by parcel post, 70c.

No. 452—1-qt. Brass Sprayer. Each, \$1.00; by parcel post, \$1.20.



No. 430—1-qt. Glass Jar Sprayers. Makes double stream, any Mason jar fits them; easily cleaned. Price with jar, 75c; by parcel post, \$1.00.



No. 326—Litho. Sprayer. A fancy decorated pump cylinder, well made, easy to operate. 1-qt. size, 50c each; by parcel post, 70c.



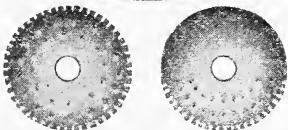
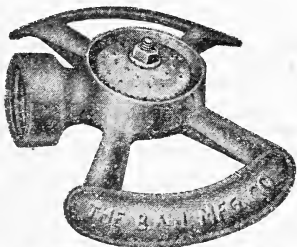
No. 202—1-pt. Tin Sprayer. Each, 35c; by parcel post, 50c.

No. 335—1-pt. and fancy Litho. Sprayer. Each, 30c; by parcel post, 45c.

No. 122—1-pt. Lowell Tin Sprayer. Each 25c; by parcel post, 40c.

No. 28A— $\frac{1}{2}$ -pt. Fly Flu Sprayer. Each, 25c; by parcel post, 40c.

B. & J. Saucer Spray Sprinkler



No. 100—Throws water in a complete circle or half circle; a simple, effective and everlasting lawn sprinkler. Price, with two sprinkling caps, 50c; by parcel post, 60c.

Dry Powder Sprayers



No. 663—Hudson Cadet Duster. Small, convenient but effective. Each, 50c; by parcel post, 60c.



No. 665 Hudson Major Duster

No. 665—Hudson Major Dusters. For all dry insecticides, \$1.25; by parcel post, \$1.50.



Duster Brown No. 2—Duster for dry powder. 1-qt. size, each \$1.00; by parcel post, \$1.25.

Duster Brown No. 3—Duster for dry powders. $\frac{2}{3}$ -qt. size, each, \$1.50; by parcel post, \$1.75.

Lowell No. 151—Glass Jar Dry Powder Dusters. Pint size, each, 50c; by parcel post, 75c.

Niagara No. 46—Dry Powder Dusters. Each, \$1.00; by parcel post, \$1.20.

Dickey Bug Death Duster—A convenient shaker for dry powder. Each, 50c; by parcel post, 65c.

Hand Insect Gun—Will handle any fine dry insecticide. Each, 20c; by parcel post, 25c.

Root Dry Powder Dusters



Root Hand Dry Powder Dusters—On these sprayers the nozzle can be reversed, throwing the poison behind the operator. They are convenient and satisfactory. Each, \$18.00.

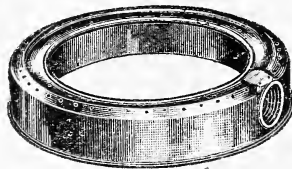
Root Saddle Gun—Complete with saddle. Each, \$50.00.

Root Saddles and Brackets, \$10.00.

Root Dusting Cart—Complete, each, \$65.00.

Cyclone Knapsack Dry Powder Dusters—These are operated by bellows and are very durable. Each, \$18.00.

Lawn Sprinklers



No. 65—Brass Ring Lawn Sprinkler. Each, 65c; by mail, 75c.

No. 65A—Brass Baby Ring Sprinkler. Each, 40c; by mail, 50c.

No. 129—Brass Rose Sprinkler. Each, 35c; by mail, 45c.

No. 39—Whirling Showers Lawn Sprinkler. Each, \$2.75; by mail, \$2.90.

No. 122—Brass Hose Nozzle, $\frac{3}{4}$ inch. Each, 65c; by mail, 75c.

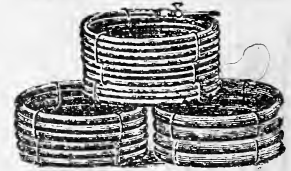
No. 17—Garden Hose Couplings complete. Each, 35c; by mail, 45c.

No. 278—Cinch Hose Menders, $\frac{1}{2}$ and $\frac{3}{4}$ inch. Each, 10c; by mail, 15c.

No. 74—Iron Hose Menders, $\frac{1}{2}$ and $\frac{3}{4}$ inch. Each, 15c; by mail, 20c.

Scollay's Plant Sprinklers. Each, \$1.55; by mail, \$1.45.

Spray Hose



Our spray hose is made especially for spraying purposes.

Ordinary garden or lawn hose will not serve because it corrodes and deteriorates rapidly.

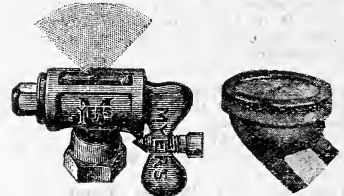
$\frac{3}{8}$ -inch spray hose, ft., 20c; postpaid, 30c; 15 ft. for \$2.25.

$\frac{1}{2}$ -inch spray hose, ft., 20c; post paid, 30c; 15 ft. for \$2.40.

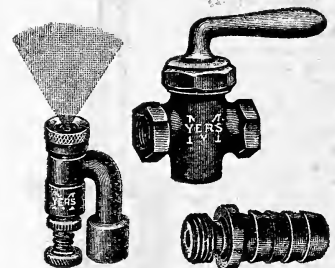
$\frac{5}{8}$ -inch garden or lawn hose, 50-ft. sections, \$6.00.

$\frac{3}{4}$ -inch green house garden hose, 50-ft. sections, \$11.00.

Spray Nozzles, Etc.



Bordeaux Nozzles	Each \$0.80
Myers' Angle Nozzles .....	.75
Myers' Imperial Nozzles .....	.50
Hudson Perfection Nozzles	1.50
Hudson Angle Nozzles .....	.75
Auto Pop Nozzles	1.50
Other repairs quoted on application.	



Vermorel Nozzles	Each \$0.80
Brass Shut-Off Cocks	1.00
Male and Female End Couplings .....	.25

Extension Rods, 4 ft. ....	.75
Extension Rods, 8 ft.	1.50
Extension Rods, 22 inch. ....	.50
Bamboo Extension Rod, 8 ft.	3.50

Willson's Spray Masks



Protects the operator from inhaling any dry powder poisons. When using poisons be sure to use this mask. Each, \$1.50; by mail, \$1.60.

R.-H. Co.'s Fertilizers

VIGORO

Specially prepared plant food

VIGORO supplies just the right kind and amount of plant-food, not only to give the plant that good start in the early spring, but also to keep it growing and in good vigorous condition all during the growing season.

Care should be taken that VIGORO never comes in direct contact with the plants or seed. After applying VIGORO wet down thoroughly.

Trees and shrubbery must be fed the right nourishment the same as human beings or they become "stunted" and lose the beauty that we so admire. Then too, under-nourished trees and shrubbery are more susceptible to disease and insect pests. VIGORO supplies the nourishment needed for maximum beauty and production.



A Better Lawn

Good seed and the right kind of plant food are essential. To have a thick, dark green lawn use VIGORO, the plant food specially prepared to supply grass and other plants with all of the plant food elements needed for beautiful growth.

Better Flowers

Don't wish for beautiful flowers—have them by using hardy disease free seeds, plants and bulbs, and VIGORO. Prizes are being won all over the country with flowers grown with VIGORO.



Better Vegetables

To have early, succulent vegetables use disease-free seed—seed with a high germinating power—and VIGORO.

Vegetables are heavy feeders and must be fed the right kind and amount of plant food. VIGORO will help you to have early, succulent vegetables and more of them.

Rate of Application

Use 2 lbs. to 100 square feet; 25 lbs. to 1250 square feet.

5-lb. pkg., 50c; by parcel post, 65c.

25-lb. bag, \$1.75; 50-lb. bag, \$3.00.

100-lb. bag, \$5.00, f. o. b. Memphis.

R.-H. Co.'s Bone Meal Fertilizer



We guarantee our Bone Meal to analyze 24 per cent Phosphoric Acid and not less than 2.47 per cent Ammonia. Bone Meal is an excellent fertilizer for all kinds of fruit trees, rose bushes, grape vines, bulbs, geraniums, ferns, palms, and other potted plants; and for grass crops.

4 lbs., 25c; 25 lbs., \$1.00; 100 lbs., \$3.25; by parcel post, 4 lbs., 45c.

Nitrate of Soda

For shade trees, fruit trees, strawberries, Nitrate of Soda is a wonderful worker. Every one that used Nitrate of Soda on the cotton crops was well repaid for the expense. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

It requires about 150 lbs. of Nitrate of Soda to the acre.

Prices: 4 lbs., 25c; 15 lbs., 75c; 25 lbs., \$1.20; not available.

Prices on larger quantities, refer to Green Ink List in this catalog.



Land Plaster or Agricultural Gypsum



This is the old time Land Plaster, the wonderful nitrogen-fixing agent, and it is especially recommended as a valuable crop food for legume crops, viz: Alfalfa, Clover, Vetch, Cow Peas, Soy Beans.

Sow Gypsum or Land Plaster on your alfalfa or lawn. Land Plaster will feed the lawn with sulphur and will furnish more nitrogen; both will be beneficial.

Land Plaster can be used for mixing insecticides at the rate of 1 pound of any insecticide to 50 pounds of Land Plaster. Ask for booklet on "How and Why of Agricultural Gypsum."

Price: Land Plaster, 10 lbs., 50c; 100 lb. bag, \$1.50, f. o. b. Memphis.



R.-H. Co.'s Sheep Manure

A pure natural manure, free from all noxious weeds, and unequalled as a fertilizer for lawns, potted plants, vegetables, flowers, etc. It furnishes a natural humus to the soil, giving immediate and lasting results.

It may be used at the rate of 20 to 50 lbs. to every 1,000 square feet in a dry form, or 500 to 1,000 lbs. per acre.

Prices: 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25. By parcel post, 5 lbs., 50c; 10 lbs., 75c.

Lucky Lawn and Garden Lime

Lime sweetens sour soil and gives nature a chance to release the potash which is natural in our soil.

Three to five pounds for a plot 10x10 or 100 square feet is about the right quantity for gardens.

Caution—Do not use bare hands and do not let any flying lime get into the eyes. If seeds are to be sown put lime on a week before planting. Apply the lime as early in the spring as possible.

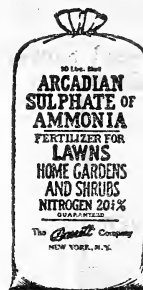
Price: Lucky White Hydrated Lime, 5 lb. carton, 55c, postpaid. Not prepaid, 55c.

R.-H. Co.'s Fertilizers

Especially prepared for us. They excel in mechanical condition, are fine and dry and easily spread by hand in drill or broadcast. Our various brands are described below, quoted on request. Analysis about as follows:

	Phosphate	Nitrogen	Potash
R.-H. Co.'s Corn Fertilizer	10%	2%	2%
R.-H. Co.'s Cotton Fertilizer	10%	3%	3%
R.-H. Co.'s Vegetable Fertilizer	10%	4%	4%
R.-H. Co.'s Phosphate	16%		
R.-H. Co.'s Bone Meal	24%	3.70%	
R.-H. Co.'s Muriate of Potash			40%
R.-H. Co.'s Kainit			12%

Sulphate of Ammonia



A wonderful fertilizer for lawn, garden or orchard. Guaranteed 25% per cent ammonia, highly concentrated, quick acting. Ammonia supplies nitrogen, the most essential plant food. One 2-lb. package of Arcadian contains as much nitrogen as 100 lbs. of stable manure. No weed seeds, no odor, no lumps, all soluble. Does not gather moisture. Always fine and dry. Made in America. Full directions on package. Write for free pamphlets. 2-lb. pkg., 50c, prepaid. Not prepaid, 2 lbs., 55c.

FULTON'S Plantabbs

ODORLESS PLANT FOOD TABLETS

Plantabbs are so perfectly balanced, so chuck full of growth producing, health giving, energizing plant food, that to raise potted plants of amazing beauty, to enjoy a gorgeous garden with a profusion of brilliantly colored blooms, to raise tender, succulent vegetables and fruits, use Plantabbs!

Packed in four sizes:

30 tablets, 30c 150 tablets, \$1.10
65 tablets, 55c 1,000 tablets, \$3.85
each, postpaid



This is a correctly balanced plant food; a wonderful tonic, increases the foliage, gives better color, hastens maturity and improves the quality. Makes them grow. 4-oz. pkg., 50c; postpaid, 55c. 8-oz. pkg., 50c; postpaid, 60c.

Stim-U-Plant

Plant Stimulant Tablet

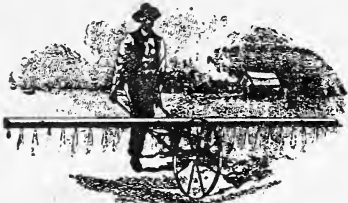
Stim-U-plant is an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 16 per cent potash.

Price, 10 tablets for 15c; 30 for 25c; 100 for 75c; 1,000 for \$3.50. Postpaid, 10 tablets, 18c; 30 tablets, 28c; 100 tablets, 80c; 1,000 tablets, \$3.65.

QUANTITY PRICES—For Quantity Prices on Fertilizers see Green Ink List in back of book.

Seed Sowers and Garden Tools

Thompson's Wheelbarrow Seed Sowers



The fastest grass seeder on the market. Easy running and light weight, complete, only 50 pounds. Few working parts and those all fool proof. Seed is sown close to ground, hence the wind does not blow it. Mud does not interfere with the working as it cannot clog. Sows when in gear and does not sow when out of gear.

No. 5 Double Hopper—14 feet long, sows all seeds like Clover, Alfalfa, Timothy, Orchard Grass, Red Top Grass, Blue Grass and Lawn Grass. \$11.50 each.

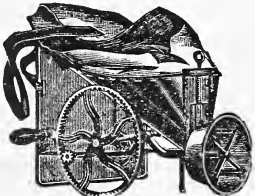
No. 3 Double Hopper—14 feet in length having an extra deep Hopper. The No. 3 Seeder is the best for sowing Lespedeza seed in addition to sowing Alfalfa, Clovers, Timothy, Grass of all kinds, Millet, Rape, etc. \$13.50 each.

Cyclone Broadcast Seed Sower



Will sow Timothy, Clover, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate which insures a uniform flow of seed. \$1.95 each; by parcel post, \$2.15.

Cahoon Broadcast Seed Sower



One of the best seeders manufactured, and sows all kinds of grain, clover seeds, etc. \$4.40 each; by parcel post, \$4.70.

Lespedeza Seed Saver

Saves your Lespedeza seed while you cut your hay. Can be attached to any standard mower. Will more than pay for itself the first season. Pan to fit 4½-ft. mower, \$13.00 each. Pan to fit 5-ft. mower, \$14.00 each.

Iron King No. 4 Seed Drill



The Iron King Seeder No. 4 is constructed of steel. Has fewer parts and is less

complicated than other drills. This seeder makes it possible to sow in an exact line and in uniform depth. Equipment consists of one Iron Agitator, one Brush Agitator, one Regular Seed Plate, one Special Onion Seed Plate and Wrench. It will pay every market gardener to have the Iron King Seeder No. 4. Circulars on application. \$12.50 each.

No. 134 Iron King Fertilizer



The No. 134 New Fertilizer Attachment can be used on a No. 4 Iron King Seed Drill. \$4.50 each.

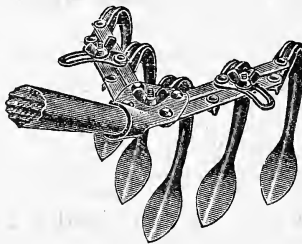
Price of Seeder complete with Fertilizer Hopper, \$17.00.

The Horn Seed Sower



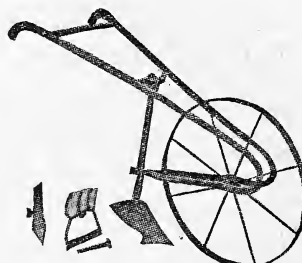
A splendid little tool, simple and easy to operate. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and grasses. 95c each; by parcel post, \$1.05.

Hudson Cultivator Hoe No. 5



A light yet sturdy tool; can be adjusted to cultivate rows 6 to 12 inches apart. The center tooth is removable so that both sides of the row can be worked. Spread out full width makes an excellent rake for preparing a fine deep seed bed. Each, 90c.

No. 2 Leader Garden Plow



Does very fine work. It has a combination of tools for plowing, cultivating, weeding, etc. No. 2 Garden Plow with wooden handles. Equipment as follows: One mold board plow, one two point bull tongue, one reversible hoe and rake. \$3.20 each.

Hudson Junior Cultivators

Fine for small plants; a favorite with women and children because they are light and easy to handle. Can be adjusted from 2 to 6 inches in width.

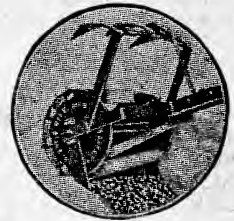
No. 12 Hudson Junior Cultivator—With 12-inch handle, each, 45c.

No. 14 Hudson Junior Cultivator—With 4-ft. handle, each, 60c.

Hudson No. 320 Garden Plow

Made of steel, has a 24-inch wheel, strong, and well-balanced. The equipment consists of one mold-board plow, one two-point bull tongue or cultivator, one 4-tooth reversible sweep and rake. \$3.40 each.

The Barker Weeder, Mulcher and Cultivator



Three garden tools in one—a Weeder, a Mulcher and a Cultivator

For keeping the weeds down and the surface crust broken up is the secret of making crops grow. It's in mid-summer you will appreciate a Barker Weeder. Circulars on request.

Price Barker No. 10D Weeder, cuts a 10-inch strip, \$10.00.

Hand Weeders



Are useful tools for hand weeding of small plants and for flower beds:

Michigan Wire Handle Weeders.....	Each \$0.10
M82—Five Point Weeders.....	.25
No. 88—Dandelion Weeders.....	.25
M89—Hand Lawn Weeder.....	.35
Goodell Asparagus or Dandelion Knife	.50
Hand Sythax, one-hand weeder.....	1.75
Lively Two-Hand Weeder.....	1.50
Rid-O-Weed—Pulls the weeds out....	1.00

Wooden Lawn Rakes

No. 120—18-Tine	Each
No. 121—22-Tine	\$0.90
No. 122—26-Tine .....	.95
	1.00



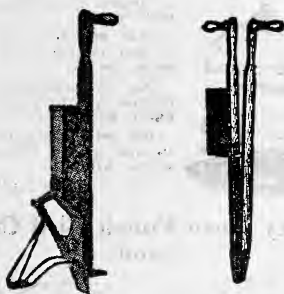
Lively Weed Cutter

A dandy tool, will cut weeds quickly and easily and thoroughly. The way it is built gives just the right swing to get any kind of weeds. It cuts both sides.

You will like this weeder as it swings similar to a golf club and it sure will cut. \$1.50 each, F. O. B. Memphis.

GARDEN TOOLS

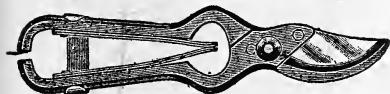
Hand Corn Planters



Useful implements for dropping corn, peas and beans, can be regulated to drop three to five grains in a hill.

No. 306—Two-Hand Corn Planter, each, \$1.50.
No. 311—One-Hand Corn Planter, each, \$1.75.

Hand Pruning Shears



Each
No. 50—8-inch Pexto Shears.....\$1.00
No. R50—9-inch with Ratchet..... 1.50
No. 60—9-inch Pexto Shears..... 1.25
No. 110—9-inch Pexto Shears..... 2.00
No. R85—8-inch with Ratchet..... 2.50
No. R70—9-inch Pexto..... 1.50
No. V12—9-inch Shears..... 1.00
No. 14—6-inch Ladies' Shears..... 1.50
No. 140—6-inch Pexto..... .75

Long Handle Pruning Shears



Each
No. V20—26-inch Handle Shears.....\$2.25
No. V30—26-inch Handle Shears..... 2.75
No. R20—26-inch Handle Rhodes' Double Cut..... 5.00
No. R30—30-inch Handle Rhodes' Double Cut..... 5.25

Hedge Shears



Each
No. 600—6-inch Hedge Shears.....\$1.25
No. 660—6-inch Serrated Shears..... 1.50
No. 700—7-inch Hedge Shears..... 1.75
No. 800—8-inch Serrated Shears..... 2.00

Grass Shears



Each
No. V2—For Edging Lawn.....\$0.50
No. V56—For Edging Lawn..... .60

Thermometers

The best quality of Tyco's Weather Thermometers.

Each
No. 5400—8-inch Tin Case.....\$1.00
No. 5150—10-inch Art..... .60
No. 5145—8-inch..... .80
No. 5715—Dairy Thermometer..... .45
No. 4860—Hot Bed Thermometer..... 1.75

Veneer Tree Protectors



Prevents damage to young trees from eating by rabbits. Doz., 35c; by parcel post, 45c; 100, \$2.00.



Mole Traps

Mole Trap—Reddick, each, \$1.00.
Mole Trap—Little Giant, each, 95c.

Pruning Saws and Tree Pruners



Each
Virginia Curved Pruning Saw.....\$1.50
No. 10—Rhodes' Taper Edge with Pole..... 4.25
No. 320—Moe's Pruning Tool, less handle..... 1.35

Hand Corn Huskers

Each
No. 2—Thumb Hand Corn Huskers...\$0.25
No. 100—Palm Hand Corn Huskers... .45
No. 12—Hand Corn Husking Pegs.... .25

Kee's Calf Weaner

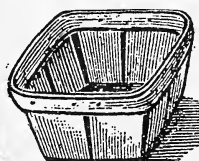


Nothing to injure the calf or its mother. Well made, strong and durable, guaranteed absolutely satisfactory.
No. 727—For small calves, 35c; postpaid, 45c.
No. 828—For large calves, 45c; postpaid, 55c.

Kee's Fruit Picker



Picks fruit from trees at any angle by a gentle push or pull; will not bruise the fruit as it falls into a cloth bag. Price, without handle, each, 50c; postpaid, 60c.



Strawberry Boxes

Pints, 100, \$1.20,
1,000 \$3.00.
Quarts, 100, \$1.25,
1,000, \$3.50.
3-qt. Peach Basket, 100, \$2.00,
1,000, \$15.00.

Masters' Hand Plant Setters

Sets out and waters cabbage, tomato and sweet potato plants, quicker and better than by hand. No stooping. Guaranteed to do the work better in every way. Each, \$5.50.



Cotton Pick Sacks

Each 12
8-oz. Duck, 4 1/2 ft. long.....\$0.65 \$ 7.20
8-oz. Duck, 6 ft. long..... .85 9.60
8-oz. Duck, 7 1/2 ft. long..... 1.15 13.00
8-oz. Duck, 9 ft. long..... 1.30 15.00

Wire Hanging Flower Baskets



8-inch, each.....25c; parcel post 35c
10-inch, each.....30c; parcel post 40c
12-inch, each.....35c; parcel post 50c
15-inch, each.....50c; parcel post 70c

Green Sheet Moss

For Hanging Baskets. Lb., 50c.

Paper Flower Pots



Neponset Paper

Flower Pot

2 1/2-inch.....100, \$0.60; 1000, \$4.50
3-inch.....100, .80; 1000, 6.50
4-inch.....100, 1.20; 1000, 9.00

Flower Pots

BULB POTS—AZALEA POTS

Doz. 100
2 1/2-inch.....\$0.30 \$1.75
3-inch..... .40 2.25
4-inch..... .50 3.50
5-inch..... 1.20 8.00
Each Doz.
6-inch.....\$0.12 \$1.20
7-inch..... .20 2.25
8-inch..... .35 3.75
10-inch..... .50 5.50
12-inch..... 1.00 11.00

Flower Pot Saucers

Doz. Doz.
5-inch.....\$0.40 \$1.20
6-inch..... .80 10-inch..... 1.80
7-inch..... .90

Garden Trowels



MOE'S LINE

No. M-80—6-inch Garden Trowel, each, 25c.
No. M-183—3-piece Garden Trowel Set, per set, 75c. (One trowel, one transplanting trowel and one weeder.)
Garden Dibbles—Useful tool for planting, each, 75c.

Wooden Plant Labels

100
Wooden Pot Labels, 4-inch.....\$0.40
Wooden Pot Labels, 6-inch..... .60
Wooden Pot Labels, 8-inch..... .90
Wooden Tree Labels, copper wired... .50
Copper Tree Labels..... 2.25

Baskets, Twine, Etc.

Round Bushel Elm Baskets, doz., \$2.50.
Round 1/2 Bushel, with bail, doz., \$2.50.
Two-Ply Jute Twine, 1/2-lb. balls, 1 lb., 25c; 10 lbs., \$2.00.
Two-Ply Jute Twine, 50-lb. coils, many ends, each, \$10.00.
Six-Ply Cotton Twine Balls, lb., 45c.

Birds and Bird Cages

Imported Canary Birds



Every singer we sell has been tested and known by us as a singer. We cannot send out on trial or exchange birds.

Hartz Mountain Open Mouth Singers—\$7.50 and \$8.50 each.

St. Andreasburg Rollers—\$8.50 to \$10.00 each.

Female canaries for breeding, \$2.00 to \$2.50 each, f. o. b. Memphis. All birds shipped at owner's risk.

Fancy Two-Tone and Duco Finish Canary Bird Cages

All Duco and Two-Tone Finish with drinking and feed cups in colors. These are the latest thing in Bird Cages. All made up in fancy style and in many colors and real classy, strong, handsome and an ornament to any home. The birds cannot pick off the finish, nor will they discolor. On account of the many combinations and colors, be sure to give second choice of cage and color, should we have sold out of the one you order.



Fancy Two-Tone Bird Cages

Two-tone color finishes, with polished middle band, top piece and base in following colors:

Red Two-Tone.
Blue Two-Tone.
Bermuda Two-Tone.

Following sizes with drawer bottom:
No. 2274—Drawer Bottom, each.....\$5.50
No. 2275—Drawer Bottom, each..... 6.25
No. 2276—Drawer Bottom, each..... 6.75
By parcel post, 40c each extra.

SPECIAL NOTICE

All No. 2274 cages measure 10 1/2 inches diameter of body, 13 inches high.

All No. 2275 cages measure 11 inches diameter of body, 15 1/2 inches high.

All No. 2276 cages measure 11 1/2 inches diameter of body, 14 1/2 inches high.

Fancy Duco Finish Bird Cages



In following colors, all handsome, showy cages that will please you. Blue and gold, Bermuda and gold, Chinese red and black.

Following sizes without draw base:

No. 2274—10 1/2 x 13 inches, each.....\$3.25
No. 2275—11 x 13 1/2 inches, each..... 4.00
No. 2276—11 1/2 x 14 1/2 inches, each..... 4.50
By parcel post, 40c each extra.

New Color Two-Tone Trimmed Cages



A very fancy beautiful design. Brass body with top piece, cups, and base finished in following colors.

Chinese Red and Black
and Royal Blue.

No. 3274—10 1/2 x 13 inches, each.....\$3.25
No. 3275—11 x 13 1/2 inches, each..... 4.00
No. 3276—11 1/2 x 14 1/2 inches, each..... 4.50

Without Drawer Bottom, by parcel post, 40c each extra.

Traveling Bird Cage

Just the right size for traveling purposes.

No. 91—Japanese Cage, 7 1/4 x 5 1/2 inches, each, \$1.60; by parcel post, \$1.85.

Round Brass Cages



Without Base.

All have the Brass Seed Guard.

No. 1276—Round Base Cage, 15 1/2 inches high.

Each, \$3.75; by parcel post \$4.15.

Round Brass Cages

With Base and Brass Seed Guard



No. 274—Round Brass, 15 1/2 in. high, each, \$2.75; by parcel post, \$3.15.

No. 275—Round Brass, 15 1/2 in. high, each, \$3.25; by parcel post, \$3.65.

No. 276—Round Brass, 17 1/2 in. high, each, \$3.75; by parcel post, \$4.15.

Oblong Ivory Enamel Cages



No. 165—Oblong Enamel Cage, no guard, 9 3/4 x 6 1/4 x 12 1/2 inches, each, \$1.90.

No. 166—Oblong Enamel Cage, no guard, 10 1/2 x 6 7/8 x 13 1/2 inches, each, \$2.40.

No. 167—Oblong Enamel Cage, no guard, 11 x 7 1/2 x 14 in., each, \$2.85.

By parcel post, add 35c each extra.

Round Ivory Enamel Cages

With Seed Guard



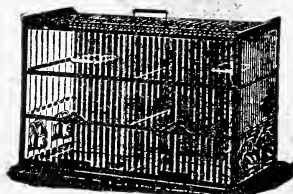
No. 6—Round, 10 1/2 in. diameter, 14 1/2 in. high, each, \$3.00.

No. 6 1/2—Round, 10 1/2 in. diameter, 14 1/2 in. high, each, \$3.25.

No. 7—Round, 12 in. diameter, 14 1/2 in. high, each, \$3.75.

By parcel post, add 35c each extra for postage.

Metal Breeding Cages



Absolutely vermin proof, complete with solid and wire partitions, metal drawer and solid back, four glass cups, six perches and two nests.

No. 86S—17 1/4 x 8 3/4 x 14, each, \$4.50; by parcel post, \$5.00.

No. 86—19 1/4 x 10 x 14 1/2, each, \$5.25; by parcel post, \$5.75.

No. 87—22 x 11 x 16 1/2, each, \$6.25; cannot mail.

Parrot Cages



Special tin, strong and well made.

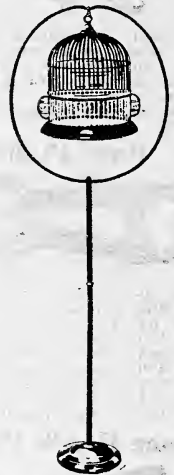
No. 80—Diameter 14 inches, height 23 inches, each, \$6.50.

No. 85—Diameter 15 1/2 inches, height 24 inches, each, \$9.00.

No. 90—Diameter 17 1/2 inches, height 30 inches, each, \$10.25.

Too large to mail.

Fancy Duco Finish Bird Cage Stands



All handsome in style, color and finish. The new Nos. 55 and 56 stands will match the Nos. 2274, 2275 and 2276 Duco Cages. The No. 31 will match the Round Ivory, Oblong Enamel and the Round or Square Brass Cages.

FOLLOWING COLORS

Chinese Red and Black
Bermuda and Gold
Blue and Gold
Green and Black

Each
No. 55—Half Arch Stand.....\$3.00
No. 56—Full Arch Stand..... 3.25
No. 31—Old Ivory Half Arch..... 3.00
No. 31—Half Arch, Bermuda and Gold only..... 3.25
No. 58—Full Arch, red and black only 3.25

Gilt and Brass Cage Stands

Each
No. 31—Gilt Half Arch Stand.....\$2.75
No. 30A—Brass Full Arch Stand..... 3.25
No. 29A—Brass Half Arch Stand..... 2.75
Special Notice—Give second choice of color in case we are out of combination ordered.

Duco Finish

COLORS BIRD CAGE CUPS AND BATH HOUSES



Non-Breakable.

No. 1928—Duco Colored Cups. Following colors: Ivory, Red, Blue, Green. Each, 30c; parcel post, 35c.

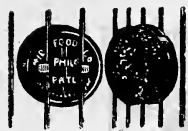
No. 1922—Duco Colored Bath Houses. Assorted colors. Each, \$1.00; by parcel post, \$1.15.

Fancy Colored Tassels for Bird Cages

Each, 30c; by parcel post, 35c.

Bird Food, Supplies and Remedies

Philadelphia Bird Supplies



Bird Manna (Both sides)



	Each	Postpaid
Phil. Bird Manna.....	\$0.15	\$0.18
Phil. Bitters, bottles.....	.25	.30
Phil. Mite Powder, box.....	.25	.30
Phil. Moulting Pepper, box.....	.25	.30
Phil. Orange Color Food, box.....	.25	.30
Phil. Bird Merican Salve.....	.25	.30

Philadelphia Mixed Canary Seed



	Each	Postpaid
Phil. Mixed Canary Seed.....pt. box	\$0.20	\$0.28
Phil. Red Bird Gravel.....pt. box	.15	.25
Phil. Silver Bird Gravel.....pt. box	.15	.25
Phil. Drahotas Song Restorer.....box	.25	.30

Spratt's Bird Supplies



	Each	Postpaid
Spratt's Canary Mixture.....	\$0.20	\$0.30
Spratt's Parrot Food.....	.25	.30
Spratt's Canarydyne.....	.25	.30
Spratt's Bird Tonic.....	.25	.30
Spratt's Sing Song Tablets.....	.15	.20
Spratt's Cod Liver Oil and Egg Food.....	.15	.20

Miscellaneous Bird Remedies



	Each	Postpaid
Haller's Bird Pie.....	\$0.15	\$0.18
Haller's Dutch Song Restorer.....	.25	.30
Haller's Bird Tonic.....	.25	.30
H. & H. Medicated Bird Mixture.....	.15	.18
Bartle's Condition Food.....	.20	.25
Fogg's Bird Tonic.....	.25	.30
West's Fruit and Honey Balls.....	.15	.18
West's Magnesia Grit.....	.15	.25
West's Song Restorer.....	.25	.30

Philadelphia Bird Supplies



Phil. Bird Nesting Food—Each, 25c; postpaid, 30c.
Phil. Bird Nesting Hair—Each, 10c; postpaid, 12c.
Phil. Bird Cattle Bone—With holder. Each, 10c; postpaid, 12c.



French's Bird Supplies

	Each	Postpaid
French's Mixed Bird Seed.....10 oz. pkg.	\$0.15	\$0.20
French's Bird Biscuit.....	.10	.12
French's Exercise Balls.....	.15	.18
French's Bird Tonic, bottles.....	.25	.30
French's Song Restorer, box.....	.25	.30
French's Bird Charcoal, box.....	.10	.15
French's Parrot Food.....box	.35	.45

Russell-Heckle's Bird Seed

	Per Lb.	Postpaid
R.-H. Co.'s Mixed Canary.....	\$0.15	\$0.20
R.-H. Co.'s Bird Hemp.....	.15	.20
R.-H. Co.'s Bird Rape.....	.15	.20
R.-H. Co.'s Bird Millet.....	.10	.15
R.-H. Co.'s Plain Canary.....	.15	.20
R.-H. Co.'s Sunflower Seed.....	.15	.20
R.-H. Co.'s Bird Lettuce.....	.35	.40
R.-H. Co.'s Bird Pepper.....	.60	.65

Hand Insect Gun

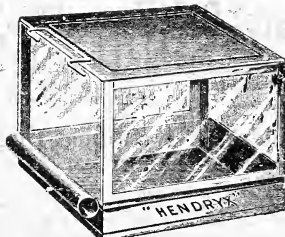


For applying mite powder to birds.
Each, 15c.
parcel post, 20c.



Bird Cage Cups

	Each	Postpaid
Bird Cage Cups, glass.....	\$0.15	\$0.20
Bird Cage Cups, opal.....	.15	.20
Bird Cage Cups, pointed.....	.15	.20
Bird Cage Cups, Breeding.....	.20	.30
Bird Cage Cups, for medicine.....	.15	.20



Glass Bath House

This is a white enameled outfit, with three removable glass sides and is attached to the cage when the door is opened. Prevents splashing of water. Size 4x4 inches. Each, 80c; postpaid, 90c.

Gold Fish Food

	Each	Postpaid
Spratt's Aquarium Fish Food.....	\$0.10	\$0.15
Wafer Fish Food.....	.10	.15
Natural or German Fish Food.....	.10	.15

Bird Cage Baths



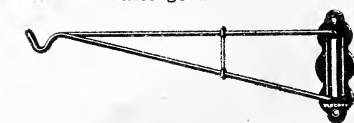
	Each	Postpaid
Baths, Opal.....	\$0.25	\$0.35
Nests, wire.....	.10	.15
Nesting Hair.....pkg.	.07	.10
Cage Medicine Holders.....	.15	.20
Cage Cattle Bone Holders.....	.10	.12

Bird Cage Needs

	Each	Postpaid
Brass Springs, heavy.....	\$0.25	\$0.30
Brass Springs, light.....	.15	.20
Brass Chains, 1 ft.....	.15	.20
Brass Chains, 2 ft.....	.25	.30
Perches, all sizes.....	.10	.12
Swings.....	.15	.20
Knobs, for top.....	.25	.30

Free Leaflet

The Care of the Canary.
All about feed, water, general care, etc.
Ask for it with order for other goods.



	Each	Postpaid
Bird Cage Bracket, 8 in.....	\$0.20	\$0.25
Bird Cage Bracket, 10 in.....	.25	.30

Russell-Heckle's Special Offer

	Regular Value	Only
1 No. 2275 Duco Finish Bird Cage.....	\$4.00	\$3.50
1 No. 55 Duco Finish Cage Stand.....	3.00	
1 XX Grade Hartz Mountain Singer.....	7.50	
1 Brass Bird Cage Spring.....	.20	
1 Box Mixed Canary Seed.....	.15	
1 Box Philadelphia Silver Gravel.....	.15	

Total retail value.....\$15.00
Specially priced for.....12.50

CAT SUPPLIES

Kit—Kat

Keeps cats from having worms, constipation, sore eyes, humors and all diseases peculiar to cats. 25c and 50c a box, postpaid.

Catnip Mouse

Its object is to afford amusement and benefit the health of cats. In endeavoring to get the catnip it induces them to exercise. If the cat plays with it violently, it is saying as plainly as though it could talk, that it desires CATNIP. 15c each; by parcel post, 20c.

Kit-E-Ration Canned Meat

6-oz. can, 13c; parcel post, 20c. 1-lb. can, 20c; parcel post, 28c.

Pest Exterminators

Poisonous, cannot be mailed.

Bayer's Poisoned Wheat—For mice and rats; can, 35c.



Bayer's Zelio—For rats and mice; tube, 50c.

Red Cross Rat and Mouse Embalmer; 25c, 50c and \$1.00 cans.

Mouse Seed—Kills mice; box, 25c.

R.-H. Co.'s Rat Paste—Tube, 25c.

Cyanogas—Slays rodents; can, 75c.

Sodium Fluoride—For ants and roaches; can, 35c.

Thousand Dollar Roach and Ant Killer—35c and 65c cans.

Thousand Dollar Flea Killer—35c and 65c cans.

Russell-Heckle's Dog Feeds and Remedies

In Dog Foods we handle only those foods which are manufactured on a scientific, balanced-ration basis, where continued research work is maintained and feeding tests are continuous, and carefully checked. You can depend on our feeds, yet prices are no higher than dog feeds of poor quality. We are prepared to supply you at manufacturers' prices, as we are carlot buyers.

Miller's A-1 Ration



Battle Creek Health Food for Dogs

Miller's A-1 Dog Ration is one of the best balanced dog feeds in the United States. Some of the best known "champion" dogs in the country have been raised on Miller's Ration exclusively. It is fed to hunting dogs, police dogs, fox terriers, bull dogs and all other kinds—they all thrive on it. It comes in granular form, easily fed, and is made from cooked cereals, meat, bone and blood meal. It is ready to use when received by dogs of all ages and breeds. Bulk, 1 lb., 15c, by parcel post, 22c; 5 lbs., 50c, by parcel post, 65c; 12½ lbs., \$1.00, by parcel post, \$1.30; 25 lbs., \$1.50, by parcel post within second zone, \$1.95.

Kennel Food Supply Co. Dog Food



K. F. S. Co.'s Kibbled Dog Biscuit contain Cod liver oil, vegetables and meat. This is one of our highest grade foods at a reasonable price. 1 lb., 15c; 10 lbs., \$1.25; 25 lbs., \$3.00. By parcel post, 1 lb., 22c; 10 lbs., \$1.45; 25 lbs., \$3.45, within second zone.

Calcum

Makes Puppies Grow Strong and Healthy.



A mineral compound fed to the matron before and after whelping, supplying the essential element in milk which nature requires for the health of the mother and the rapid, vigorous growth of her offspring.

Calcum takes the place of green-bone food and prevents acid milk and rickets or softening of the bones.

Calcum is not a complete food in itself, but a small amount being used in conjunction with the regular food. 1 lb., 75c; 5 lbs., \$3.00. By parcel post, 85c and \$3.20.

The Pink Book

Suggestions for keeping dogs in
THE PINK OF CONDITION

By proper feeding and care, mailed to dog owners on request.

Champion Dog Food



Champion Dog Biscuit

Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., \$1.25, by parcel post, \$1.45; 25 lbs. bags, \$2.75, by parcel post, within second zone, \$3.20.

Champion Kibbled Dog Biscuit

(The broken small pieces.)

Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., \$1.25, by parcel post, \$1.45; 25 lbs., \$3.00, by parcel post within second zone, \$3.40.

Champion Puppy Biscuit

Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., \$1.25, by parcel post, \$1.45; 25 lbs. bags, \$3.00, by parcel post within second zone, \$3.40.

Champion Puppy Meal

Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., \$1.25, by parcel post, \$1.45; 25 lbs., \$3.00, by parcel post within second zone, \$3.40.

Miller's A-1 Dog Biscuit

Miller's A-1 Dog Biscuits are made of clean wholesome beef, flour, oatmeal, cornmeal and bone and they contain the necessary vital body and bone building elements in their proper proportions to sustain good health in your dogs. Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., \$1.25, by parcel post, \$1.45; 25 lbs., \$2.75, by parcel post within second zone, \$3.20.

Miller's A-1 Kibbled Dog Biscuit

Miller's A-1 Kibbled Dog Biscuit is the same as whole only in broken form which makes it convenient for mixing with vegetables, meat, fish, soups, broths, etc. Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., \$1.25, by parcel post, \$1.45; 25 lbs., \$2.75, by parcel post within second zone, \$3.20.

Miller's A-1 Puppy Meal

Miller's A-1 Puppy Meal is especially adapted for the tender digestive organs of puppies as soon as they are old enough to eat solids. Bulk, 1 lb., 15c, by parcel post, 22c; 10 lbs., \$1.25, by parcel post, \$1.45; 25 lbs., \$2.75, by parcel post within second zone, \$3.20.

FOR QUANTITY PRICES ON DOG FOODS see Green Ink List in back of book.

Miller's A-1 Quick Lunch



A clean meat product designed to meet the needs of a quick lunch for dogs and puppies; rich in protein and organic matter. Can be used as a complete food, or with Miller's A-1 Ration. 1-lb. can, 18c; 6 cans, \$1.00; case 48 1-lb. cans, \$6.00. By parcel post, 1-lb. can, 28c; 6 cans, \$1.20.

Ken-L-Ration

The Dog Food Supreme.



These Foods Are Literally Full of Vitamins. Composed of clean, wholesome meat, the best grade of cereals and Norwegian cod liver oil. A perfect balanced ration. 1-lb. can, 20c; 6 cans, \$1.00; case 48 1-lb. cans, \$6.00; 7-lb. cans, each, 75c; case of 6 cans, \$4.00. By parcel post, 1-lb. can, 28c; 6 cans, \$1.25; 7-lb. cans, each, 95c.

Pup-E-Ration

Is the perfect puppy food. Very rich in protein, calcium phosphate, cod liver oil and marrow fat. 1-lb. can, 20c; 6 cans, \$1.00; case 48 cans, \$6.75. Parcel post, 1 can, 28c; 6 cans, \$1.25.

Hemo-Ration

Is a meat, blood, cereal and cod liver oil product. Ideal food for breeding stock, enemies and convalecents. 1-lb. can, 20c; 6 cans, \$1.00; case 48 cans, \$6.25; 7-lb. can, 75c; case 6 cans, \$4.20. By parcel post, 1-lb. can, 28c; 6 cans, \$1.25; 7-lb. can, 95c.

Maro-Meat

A clear meat-and-marrow product, too highly concentrated for feeding alone. A basic meat ration to be mixed with other and lighter material. 2½-lb. can, 40c; doz. cans, \$4.25; case 18 cans, \$6.00. Parcel post, 2½-lb. can, 50c.

Kit-E-Ration

The cat food supreme. A balanced ration, ready to serve. 6-oz. tin, 15c; 1-lb. cans, 20c; 3 cans, 50c; case 48 1-lb. cans, \$6.00; by parcel post, 6-oz. tin, 20c; 1-lb. can, 28c; 3 cans, 65c.

Doggie Dinner

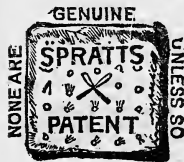
Made from clean sound beef, an appetizing food that your dog will relish and at the same time keep him in good condition. Doggie and Puppy Dinner contains the best possible quality and low in price. 18-oz. can, 20c; 12 cans, \$2.00; case 36 cans, \$4.50. By parcel post, 18-oz. can, 30c; 12 cans, \$2.40.



Puppy Dinner

A perfect food for puppies, containing the elements necessary for growth of body, bones and coat. 18-oz. can, 20c; 12 cans, \$2.00; case 36 lbs., \$4.50. By parcel post, can, 30c; 12 cans, \$2.40.

Spratt's Dog Foods



These are always dependable and have been used by dog fanciers for over 37 years.

Spratt's Dog Cakes

Spratt's Dog Cakes, 2-lb. carton, 40c; by parcel post, 50c; 4 1/4-lb. cartons, 80c; by parcel post, 95c.
 Spratt's Oval Dog Cakes—Carton, 40c; parcel post, 50c; 25 lbs., \$3.50, f. o. b. Memphis.
 Spratt's Puppy Cakes—2-lb. cartons, 40c; by parcel post, 50c.
 Spratt's Cod Liver Oil Cakes—2-lb. cartons, 40c; by parcel post, 50c.
 Spratt's Puppy Meal; 2-lb. carton, 40c; by parcel post, 50c.
 Spratt's Orphan Puppy Food—1-lb. cans, 60c; by parcel post, 70c.
 Spratt's Pupplac—10-oz. tin, 50c; by parcel post, 60c.

KFS Co.'s Perfect Condition Canned Meat

Especially prepared for dogs; it is ready for feeding, doing away with the cost of cooking and labor, being highly concentrated, and contains a high percentage of nourishment. Qt. can, 40c; 12 cans, \$4.00; by parcel post, qt. can, 55c.

Bennett's Milk Bone Dog Biscuit



A superior preparation. Keeps dogs in good condition. Per box, 40c; by parcel post, 50c.

Bennett's Milk Bone Puppy Biscuit

Especially prepared for puppies. They thrive and grow fat on Milk Bone Biscuits. Per box, 40c; by parcel post, 50c.

"B-K"—Bacili-Kil



B-K is a clear, colorless, non-poisonous germ killer used in dilution with water.

B-K is invaluable around kennels, dairies, or wherever a strong, safe, powerful disinfectant should be used.

B-K is effective against mange and other skin diseases in dogs.

B-K does not overpower a bad odor by leaving a worse odor, but actually kills the bad odor.

Every household should keep a bottle of B-K. Cannot be mailed.

10-oz. bottle, 60c; qt., \$1.25; gal., \$3.00.

Mercy Dog Mange Remedy

A preparation for the treatment of superficial mange for dogs, cats, horses and cattle. Have mercy on your dog and the mange will disappear. Pt. can, \$1.25; postpaid.

Vititone

For dogs, cats and other animals. Controls the tape worm as well as other worms in dogs and puppies. Although not a cure for distemper, it will help them resist the disease. Vititone is a safe, dependable worm getter. 50c; parcel post, 60c.

FOR QUANTITY PRICES ON DOG FOODS see Green Ink List in back of book.



You have no home if you have no dog

Tetrachlorethylene for Worms

Tetrachlorethylene is endorsed by the U. S. Department of Agriculture as the safest known effective wormer for Dogs and Puppies. Prevents and cures Running, Barking Fits and Sore Mouth. Per box, all large capsules for large size dogs, \$1.00. Per box, all small capsules for small size dogs, \$1.00. Per box, assorted capsules for all size dogs, \$1.00.

Areco

Guaranteed to remove tape worm, including the heads, where they are known to be present. Simple and easy to administer. 75c, postpaid.

Champion Dog Remedies

Champion Quick Acting Worm Expeller—Box, six treatments, 60c.
 Champion Quick Acting Worm Expeller—Box, 12 treatments, \$1.00.
 Champion Quick Action Puppy Worm Capsules—Box, six treatments, 60c.
 Champion Condition Tablets—Box, \$1.00.
 Champion Disinfectant—8-oz. bottle, 60c.
 Champion Ear Canker Remedy—6-oz. bottle, \$1.00.
 Champion Eye Wash—Bottle, 60c.
 Champion Foot Heal—6-oz. bottle, \$1.00.
 Champion Liquid Laxative—Bottle, 60c.
 Champion Liquid Shampoo—4-oz. bottle, 60c.
 Champion Mange Remedy—1/2-pt. can, \$1.00.
 Champion Skin Salve—Box, \$1.00.
 By parcel post, add 5c to each item for postage. Champion Dog Remedies are absolutely guaranteed to give satisfaction or your money will be refunded.

Sergeant's Dog Medicines



	Each	Postpaid
Sergeant's Arsenic and Iron Pills.....	\$0.60	\$0.65
Sergeant's Canker Wash.....	.60	.65
Sergeant's Cough Medicine.....	.60	.65
Sergeant's Condition Pills.....	.60	.65
Sergeant's Constipation Capsules.....	.60	.65
Sergeant's Carbolic Tar Soap.....	.25	.30
Sergeant's Diarrhoea Remedy.....	.60	.65
Sergeant's Distemper Medicine.....	1.20	1.30
Sergeant's Dog Rub.....	.60	.65
Sergeant's Disinfectant, 4 oz.....	.25	.35
Sergeant's Disinfectant, 12 oz.....	.50	.60
Sergeant's Disinfectant, qt.....	.75	.95
Sergeant's Eye Wash.....	.60	.65
Sergeant's Mange Medicine.....	.65	.75
Sergeant's Pepsin Tablets.....	.60	.65
Sergeant's Skip Flea Soap.....	.25	.30
Sergeant's Skip Flea Powder.....	.25	.30
Sergeant's Shampoo Soap.....	.25	.30
Sergeant's Rheumatic Pills.....	.60	.65
Sergeant's Run Fit Medicine.....	2.00	2.10
Sergeant's Puppy Worm Capsules.....	.60	.65
Sergeant's Sure Shot Worm Capsules.....	.60	.65
Sergeant's Sure Shot Worm Liquid.....	.60	.65
Sergeant's Tape Worm Capsules.....	.60	.65
Sergeant's Well Mouth.....	.60	.65

Write for Polk Miller's Dog Book.

Q. W. Dog Remedies



These well known dog medicines have been on the market many years and are preferred by many kennel owners because they give results.

	Each	Postpaid
Q. W. Breeding Tablets.....	\$2.00	\$2.05
Q. W. Condition Tablets.....	1.00	1.05
Q. W. Constipation Pills.....	1.00	1.05
Q. W. Cough Mixture.....	1.00	1.05
Q. W. Diarrhoea Remedy.....	1.25	1.30
Q. W. Distemperol.....	2.00	2.10
Q. W. Dog Soap.....	.35	.40
Q. W. Ear Canker Lotion.....	1.25	1.30
Q. W. Eye Salve.....	1.00	1.05
Q. W. Fit Tablets.....	1.25	1.30
Q. W. Flea Oil.....	1.00	1.05
Q. W. Flea Powder.....	1.00	1.05
Q. W. Healing Salve.....	1.00	1.05
Q. W. Liniment.....	1.25	1.30
Q. W. Sulphur Compound.....	1.00	1.05
Q. W. Mange Soap.....	1.00	1.05
Q. W. Mange Lotion.....	1.00	1.05
Q. W. Cod Liver Oil Comp.....	1.25	1.30
Q. W. Rheumatism Tablets.....	1.00	1.05
Q. W. Tape Worm Mixture.....	1.00	1.05
Q. W. Tonic and Blood Builder.....	1.00	1.05
Q. W. Verminal.....	1.25	1.30
Q. W. Worm Capsules.....	.65	.70
Q. W. Worm Mixture.....	1.00	1.05

Glover's Dog Remedies

	Each	Postpaid
Glover's Black Tongue Remedy.....	\$0.65	\$0.75
Glover's Condition Pills.....	.65	.75
Glover's Canker Wash.....	.65	.75
Glover's Comp. Sulphur Tablets.....	.65	.75
Glover's Cough Mixture.....	.65	.75
Glover's Digestive Pills.....	.65	.75
Glover's Distemper Cure.....	1.25	1.35
Glover's Diarrhoea Remedy.....	.65	.75
Glover's Dog Liniment.....	.65	.75
Glover's Dog Tonic.....	.65	.75
Glover's Eye Lotion.....	.65	.75
Glover's Liver Medicine.....	.65	.75
Glover's Liver Pills.....	.65	.75
Glover's Kennel and Flea Soap.....	.25	.35
Glover's Medicated Soap.....	.25	.35
Glover's Fit Medicine.....	.65	.75
Glover's Sorefoot Remedy.....	.65	.75
Glover's Tape Worm Remedy.....	.65	.75
Glover's Vermifuge.....	.65	.75
Glover's Worm Capsules.....	.65	.75

Write for H. Clay Glover's Book on Dog Diseases.

Interno Mange Remedy

Interno is an internal remedy, both for Sarcopic and Follicular mange and other skin diseases. If your dog has not responded to other mange remedies he needs Interno.

Interno Dog Mange Remedy, box, \$2.00; postpaid.
 Interno Puppy Mange Remedy, box, \$2.00; postpaid.

McRoberts Vermifuge

Especially prepared for use on your puppies and small dogs. It positively will not disarrange the stomach. Keep puppies free from worms with McRoberts Vermifuge. 2-oz. bottle, 50c; postpaid, 60c.

Bradley's Submarine Worm Expeller

Gets the last worm. There can be no failure if directions are followed. It takes only a few hours to do the work. Per box, \$1.00; by parcel post, \$1.10.

Delcreo Dog Remedies

Ask for Delcreo Kennel Manual.

Delcreo—For Distemper and Black Tongue. 4-oz. bottle, \$1.50; by parcel post, \$1.60; 16-oz. bottle, \$5.00; by parcel post, \$5.25.

Delcreo Cod Liver Oil—Pt., \$1.25; postpaid, \$1.35. Qt., \$2.00; postpaid, \$2.15.

Delcreo Tonic—2-oz. bottle, 75c.

Delcreo Dog Soap—4-oz. cake, 25c.

Delcreo Laxative—35c.

Delcreo Sulfinol—4-oz. bottle, 50c.

Delcreo Soluble Sulphur Capsules—Box, \$1.00.

Delcreo Sulphur Compound—4-oz. bottle, \$1.00.

Delcreo Sulphur Bath—4-oz. bottle, \$1.00.

Delcreo Sulphur Ointment—1-oz. jar, 50c.

Delcreo Worm Capsules—For puppies, small dogs and large dogs. State which you want. Either size, box 60c.

By parcel post, add 5c. each.

Benbow's Dog Mixture

A wonderful tonic for an ailing dog. Every kennel needs this great medicine. Has been used more than 80 years. Very beneficial in the treatment of Mange, Worms and Distemper.

	Each	Postpaid
40 capsules, ¼ teaspoonful.	\$.60	\$.75
24 capsules, ½ teaspoonful.	.60	.75
15 capsules, 1 teaspoonful.	.60	.75
4 ounce bottle	2.50	2.65
26 ounce bottle	4.00	4.25

Clayton's Dog Remedies

Blood Purifying Pills	Worm Capsules
Cholera	Canker Lotion
Creolin Dog Wash	Cough Remedy
Diarrhoea Liquid	Condition Pills
Eye Lotion	Digestive Tablets
Laxative	Fit Remedy
Puppy Tonic	Mange Cure
Sulphur Tablets	Rheumatic Tablets
Vermifuge Liquid	Tape Worm Expeller
	Vermifuge Tablets

All 50c each; parcel post 60c.
Creoline Soap, 35c; parcel post, 40c.

Miscellaneous Dog Remedies

	Postpaid
Kur Mange, a sure mange remedy.	\$1.00
Lix-A-Fit, for all sorts of fits.	1.00
Pulver, kills fleas and lice.	.75
Sopex, the animal shampoo.	1.00
Sanitas, Pynair Disinfectant, pkg.	.50
Sanitas, Pynair Disinfectant, qt.	1.00
Sanitas Animal Soap, cake.	.25
Sovren, Black Tongue remedy, box.	2.00
Spratt's Distemper Tablets.	1.00
Spratt's Tonic and Condition Tablets.	.60
Spratt's Dog Worm Capsules.	.60
Spratt's Puppy Worm Capsules.	.60

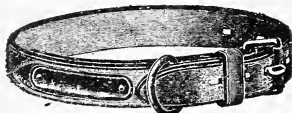
Russell-Heckle's Dog Accessories**Black Leather Dog Collars**

Good grade black leather collar with nickel plated fittings. Furnished with lock tongue roller buckle and solid name plate.

No. 407—Width ½ inch, length 10, 11, 12, 13 inches. Each, 56c; parcel post, 66c.

No. 408—Width ¾ inch, length 12, 13, 14, 15 inches. Each, 76c; parcel post, 86c.

No. 409—Width 1 inch, length 16, 17, 18, 19 inches. Each, \$1.00; parcel post, \$1.10.

Plain Tan Leather Collars

No. 403 Plain Leather Collar

Unlined and riveted. Nickeled fittings. Improved lock tongue roller buckle and name plate. A good strong collar for general use.

No. 403—Width ½ inch, length 14, 16, 18 inches. Each, 80c; parcel post, 90c.

No. 404—Width ¾ inch, length 16, 18, 20 inches. Each, 90c; parcel post, \$1.00.

No. 405—Width 1 inch, length 18, 20, 22 inches. Each, \$1.00; parcel post, \$1.10.

Fancy Flat Leather Collars

Extra high grade tan leather collar with double row of bright nickel plated studs. Leather lined under studs and furnished with lock tongue roller buckles and solid name plate. All fittings nickel plated.

No. 414—Width ½ inch, length 10, 11, 12, 13 inches. Each, \$1.32; parcel post, \$1.42.

No. 415—Width ¾ inch, length 12, 13, 14, 15 inches. Each, \$1.64; parcel post, \$1.74.

No. 416—Width 1 inch, length 15, 16, 17, 18 inches. Each, \$1.96; parcel post, \$2.06.

Round Leather Collars

Best bridle leather round collars, nicely stitched. Furnished with lock tongue roller buckle and solid name plate. All fittings fully nickel plated. Very suitable for Pokes, Poms, Collies, Police and other long haired and rough coated dogs.

No. 435—½ inch buckle, Toys and Terriers, length 13, 14, 15, 16 inches. Each, \$1.48; parcel post, \$1.58.

No. 436—¾ inch buckle, Large Terriers and Spaniels, length 16, 17, 18, 19 inches. Each, \$1.80; postpaid, \$1.90.

No. 437—1 inch buckle, Chows, Collies, etc., length 17, 18, 19, 20 inches. Each, \$2.28; parcel post, \$2.40.

Lengths given are from buckle to center hole, allowing adjustment larger or smaller, as desired.

Fancy Round Leather Collars

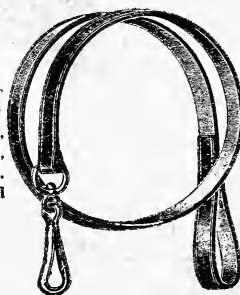
Fine quality, stitched round leather collars for Toys and Terriers. Carried in colors, red, green, blue and brown, with and without nickel plated studs. A fine collar for any small dog.

No. 445—¾ inch buckle, length 11, 12, 13 inches. Each, 96c; parcel post, \$1.06.

Fancy Toy Dog Collar

For Toys and Small Terriers. Very fine English bridle leather in colors—red, green, blue and brown. All fittings nickel plated.

No. 425—¾ inch buckle, length 9, 10, 11, 12 inches. Each, 68c; parcel post, 78c.

Dog Leads

No. 206—¼ inch wide, flat tar leather lead, nickeled snap, length 3½ feet. Each, 56c; parcel post, 66c.



No. 202—Round braided leather lead, nickel snap, ½ feet. long. Each, \$1.16; parcel post, \$1.26.

No. 204—Same style, for large dogs. Each, \$2.00; parcel post, \$2.10.

No. 200—White cord lead, closely braided, for small breeds, 4 feet long. Each, 40c; parcel post, 50c.

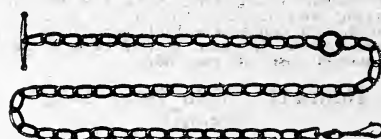
Champion Pedigree and Registration Blanks

(For American Kennel Club Listing.)
10 blanks.....15c 25 blanks.....35c

Dog Harness

No. D3103—¾ inch wide, 17 inches long. Each, \$1.75.

No. D5142—½ inch wide, 19 inches long. Each, \$2.00.

Nickel Plated Lead Chains

Can be used as combination leading and tying chain. Best steel welded links, fully nickel plated, good strong snaps with swivel at one end. Holder at other end and ring for tying.

No. 1—Light, 4 feet long. Each, \$1.12; parcel post, \$1.25.

No. 3—Medium, 4 feet long. Each, \$1.25; parcel post, \$1.40.

No. 5—Heavy, 4 feet long. Each, \$1.25; parcel post, \$1.40.

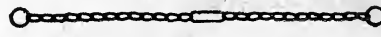
Nickel Plated Bench Chains

Best steel welded links, fully nickel plated, strong patent snaps at each end, strong swivel at each end and at center, two rings for short tying.

No. 17—Light, 3½ feet long. Each, \$1.50; parcel post, \$1.60.

No. 18—Medium, 3½ feet long. Each, \$1.75; parcel post, \$1.90.

No. 19—Heavy, 4 feet long. Each, \$2.00; parcel post, \$2.15.

Chain Choke Collars

Best welded steel links, fully nickel plated.

No. 25A—20 inches long. Each, \$1.00; parcel post, \$1.10.

No. 25B—24 inches long. Each, \$1.00; parcel post, \$1.10.

No. 25C—26 inches long. Each, \$1.00; parcel post, \$1.10.

No. 106 Dog Brush

No. 106 Brush—Steel wire and black fibre, mixed, leather strap, wood back length 4½ inches. Each, \$1.00; parcel post, \$1.10.

**No. 185 Feeding Pan**

Genuine Wear-Ever polished aluminum pan. Diameter, 6½ inches. Capacity, one quart. Each, 80c; parcel post, 90c.

Egg Shipping Boxes, Cel-O-Glass, Chick Boxes, Etc.

Humpty Dumpty Egg Carrier



Strong and durable. No tools to set them up. Can be used over and over. A fine egg carrier for either parcel post or express shipments.

6 dozen size, 70c; by parcel post, 90c;
12 dozen size, 90c; by parcel post, \$1.10.

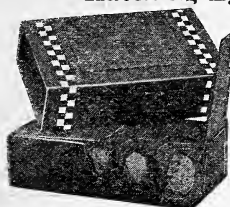
Moe's Regal Egg Boxes

Every egg in a separate cardboard tube protected by a heavy outside corrugated cardboard box. One of the strongest shipping boxes for setting eggs on the market.



No. 14—15-egg size, each, 25c; by parcel post, 30c.
No. 15—30-egg size, each, 40c; by parcel post, 50c.
No. 16—50-egg size, each, 60c; by parcel post, 75c.

Hatching Egg Box

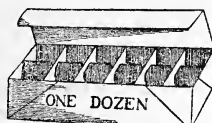


Made with large cells to facilitate extra wrapping, double walled corrugated on all sides. This box is designed especially for transporting valuable eggs for hatching.

No. 3—15-egg size, each, 25c; doz., \$2.50; by parcel post, 30c; doz., \$2.80.
No. 4—30-egg size, each, 35c; doz., \$4.00; by parcel post, 45c; doz., \$4.45.
No. 5—50-egg size, each, 45c; 6 for \$2.50; by parcel post, 55c; 6 for \$3.00.

Cardboard Egg Cartons

These are intended for delivering eggs to consumers. Hold one dozen each; has two rows, six eggs each.



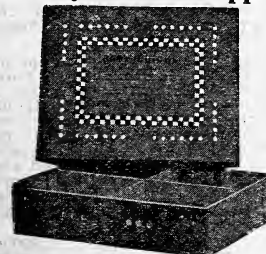
Doz., 20c; 100, \$1.50; 500, \$6.25; 1,000, \$12.00; by parcel post, doz., 30c; 100, \$1.80.

Eyrie Egg Shipping Boxes

Specially made for shipping or delivering eggs for setting by express. The insertion of the handle automatically locks the box. The handle also prevents the putting of anything on top of the box, thus limiting the liability of rough usage by the express agent.

Express Parcel Post
Each Doz. Each Doz.
15-Egg size\$0.20 \$2.25 \$0.30 \$2.60

Baby Chick Shipping Boxes



Made from corrugated paper with strong bottom and ventilated top. Strong, yet light in weight. For shipment it is folded flat, but can easily be set up and made ready for use.

25-chick size, doz., \$1.50; postage extra.
50-chick size, doz., \$2.25; postage extra.
100-chick size, doz., \$3.00; postage extra.

Eyrie Shipping Coops

Ends and sides heavy corrugated cardboard. Top and bottom wood.

Express Parcel Post
No. B—3-bird size, each, \$0.75 \$0.95
No. C—4-bird size, each, .90 1.10
No. D—5-bird size, each, 1.00

Cel-O-Glass



No more broken chicken house windows when Cel-O-Glass is used. This material is far better than glass, it is very light in weight, weather-proof and not affected by hail, heat, cold or water. Lets in practically as much light as clear glass and spreads it evenly. Made of Galvanized Wire Cloth with spaces between strands filled with a clear, transparent substance, very flexible, will not rub off or become brittle. Fine for Poultry and Brooder Houses, Scratch Pens, Hot Red Frames, Greenhouses, Sky Lights, Windows, Store Doors, Sleeping Porches and Dwellings. Easy to put up. May be cut to size with ordinary shears and tacked in place.

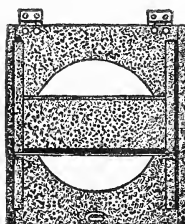
Sheets 36 inches wide and any length up to 100 feet long. Per roll, 100 ft. long, 36 in. wide, 40 lbs., \$10.00.

Less than roll, 10 ft. or more, 42½¢ per ft., f. o. b. Memphis.

One piece 6 ft. long, \$2.70; by parcel post, \$3.00.

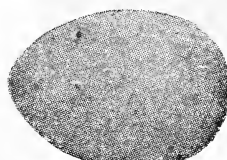
One piece 3 ft. long, \$1.50; by parcel post, \$1.80.

Trap Nest Front



The Trap Nest Front that we offer is quickly attached to any box style nest. Cheaper and better than making your own. Simple in design, well made, trapping the hen without fail. Each, 50c; by parcel post, 65c.

Nest Eggs

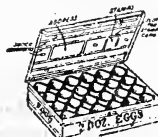


These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated—Doz., 60c; parcel post, 75c.
Lime Eggs—Doz., 35c; parcel post, 45c.
China Eggs—Doz., 35c; parcel post, 45c.

Aluminized Metal Egg Crates

Indestructible; made for interchangeable shipments; lasts for years; pays for itself in a few shipments.



Metal Egg Filler

Size	Weight Empty	Each	Postpaid
1½ doz.	2 lbs.	1.25	1.32
2 doz.	3 lbs.	1.50	1.57
3 doz.	4 lbs.	1.75	1.83
4 doz.	5 lbs.	2.00	2.09
6 doz.	6 lbs.	2.50	2.60
12 doz.	10 lbs.	4.00	4.15

Glass Cloth



Glass Cloth is excellent for Poultry Houses, Brooder Houses, Hot Beds, Cold Frames, Windows, Doors, etc.; easy to put on, and is a perfect substitute for glass, except for roofing.

BUILD A SCRATCH SHED ONTO YOUR POULTRY HOUSE

June weather all spring for your baby chicks. A Glass Cloth Scratch Shed built right onto your poultry house, makes the most of every hour or sunlight—gives chicks exercise, warmth and violet rays they need to build healthy, robust bodies. Chicks you save pay for Glass Cloth many times over.

Glass Cloth comes in rolls 3 feet wide and 100 yards long.

Prices

One piece 1 yd. long and 1 yd. wide, 40c; by parcel post, 50c.

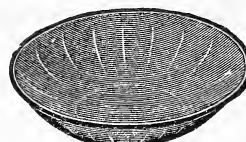
One piece 10 yds. long and 1 yd. wide, \$3.25; by parcel post, \$3.50.

One piece 15 yds. long and 1 yd. wide, \$4.50; by parcel post, \$4.75.

One piece 50 yds. long and 1 yd. wide, \$13.00; f. o. b. Memphis.

One roll of 100 yds. long and 1 yd. wide, \$25.00, f. o. b. Memphis.

Moe's Pigeon Nests



Durable and light; galvanized iron; also for sanitary purposes.

Each, 20c; 6, 90c; by parcel post, 5c each extra.

Stoneware Pigeon Nests

Made so the birds cannot tip over. A good, safe nest. Each, 25c; by parcel post, 40c.

Wire Hen's Nests

Made of copper steel wire with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks.



14-inch nest, each, 25c; 6 for \$1.40; by parcel post, each, 35c.

Philadelphia Caponizing Set



Complete set of directions accompanies each set. Pays for itself in a short while. Per set, \$2.75; postpaid.

Automatic Chick Greaser



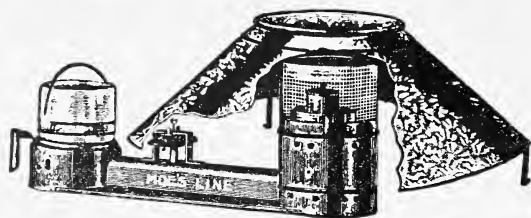
Kills mites, head lice and other insects on the baby chicks while they are eating; their heads rub against the wick and they grease themselves. Each, complete, \$1.20; by parcel post, \$1.40.

Brooders and Incubators

A brooder is an artificial hen. Its purpose is to perform the duties of a mother hen toward the chicks so far as the hovering is concerned. Baby chicks spend the day running in and out under the hover to get warmth when chilly and to scratch for food. This gives them plenty of fresh air so that almost any hover will do for the day time.

But at night it is different. They hover instinctively under the brooder—just as they would under the mother hen—and trust to the brooder to bring them safely through the night. If the hover is a good one they will come out healthy and happy in the morning, and the result will be healthy, robust broods. And how they come out in the morning depends upon the brooder.

Moe's Automatic Oil Brooder



This improved automatic brooder has the double regulation, first the double wafer thermostat, second the hand lever control. Absolutely dependable, safe and simple to operate.

Cannot overheat or go out if you supply the oil. The flow of oil is controlled by gravity, then the thermostat does the remainder. The oil reservoir can be filled without extinguishing the burner.

Moe's Automatic Oil Brooder is thoroughly reliable and efficient, with no complicated parts, and can be adjusted to any desired temperature and it will stay where you set it. Full description with all brooders. We absolutely guarantee and recommend it.

Prices F. O. B. Memphis.

No. 225—32-inch Canopy, 300 Chick Capacity.....\$13.00

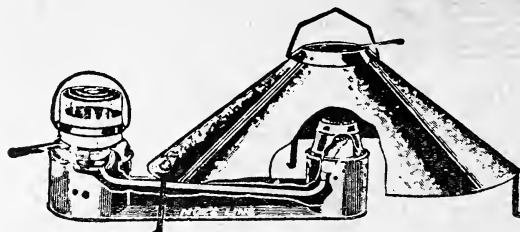
No. 226—42-inch Canopy, 500 Chick Capacity..... 15.50

No. 227—52-inch Canopy, 1000 Chick Capacity..... 17.50

Asbestos Wicks for No. 225 and No. 226 Brooder, each, 30c; parcel post, 40c.

Asbestos Wicks for No. 227 Brooder, each, 40c; parcel post, 50c.

Moe's Blue Flame Oil Brooder



A simple and reliable oil burning Brooder, sturdy in construction and easy to operate. Burns kerosene.

Has a new and improved wickless blue flame burner, with perfect combustion, free from fumes or gases.

It is the same as our Automatic Oil Brooder, except that it does not have the automatic thermostatic control, and the canopy is not insulated.

Has a patented Hand Control, with only one moving part, and by means of which the heat is regulated.

The fuel feed pipe is protected by a stamped steel housing, and the oil feeds from the glass reservoir into a concave metal pan attached to the feed pipe.

Prices, F. O. B. Memphis.

No. 232—32-inch Canopy, 300 Chick Capacity.....\$ 9.00

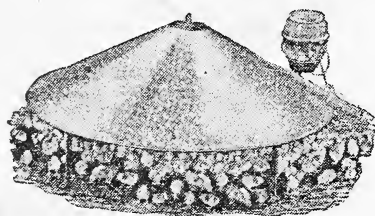
No. 233—42-inch Canopy, 500 Chick Capacity..... 10.00

No. 234—52-inch Canopy, 1000 Chick Capacity..... 11.00

Asbestos Wicks for No. 232 or No. 233 Brooder, each, 30c; parcel post, 40c.

Asbestos Wicks for No. 234 Brooder, each, 40c; parcel post, 50c.

National "Blue Flame" Oil Burning Brooder



The "National" Blue Flame Colony Brooder is of the wick-type construction, burns coal oil (kerosene) and is just as simple to operate as an ordinary house lamp. It will not smoke, is odorless and operates without noise. It is self-feeding, safe and durable, maintaining an even flame as long as there is oil in the reservoir.

Made in Three Sizes

No. 60—34-inch canopy, 200-chick capacity.....\$16.75

No. 61—42-inch canopy, 350-chick capacity..... 17.50

No. 62—52-inch canopy, 500-chick capacity..... 21.00

Ask for complete descriptive circular.

National Coal Burning Brooder



The new design National Coal Burning Brooder is equipped with lower auxiliary draft in-take, controlled automatically by the thermostat. This insures ample draft for a quick fire, but prevents overheating, as draft closes automatically when the desired temperature is attained. Made in three sizes.

No. A—350-chick size, 42-inch canopy, 4-inch pipe collar. Price with canopy.....\$14.75

No. C—500-chick size, 52-inch canopy, 5-inch pipe collar. Price with canopy..... 18.50

No. D—1000-chick size, 56-inch canopy, 5-inch pipe collar. Price with canopy..... 22.50

We do not furnish smoke pipe. Ask for descriptive circulars.

Delaware Automatic Brooder With Super-Heater



We offer these new machines to our customers as the very best Oil Burning Brooders on the market. They are absolutely guaranteed. The No. 3 Automatic Standard Blue Flame Brooder, 1000-chick size, is equipped with the automatic super-heater at no extra charge. This increases the brooder capacity over the other brooders, no increase in price on the No. 3 brooder. Circulars on application.

No. 2—500-Chick Automatic Oil Burning Brooder, with 42-inch canopy.....\$17.50

No. 3—1000-Chick Automatic Oil Burning Brooder, with 52-inch canopy..... 21.00

Extra Wicks for above Brooders, each, 50c.

Delaware Automatic Coal Burning Brooder Stove



A practical brooding system at an economical cost. The Automatic Coal Brooder is self-regulating and

maintains an even temperature under the hover regardless of weather conditions. Fire is retained in the stove and will not go out as long as there is any coal to burn. We absolutely guarantee these hovers satisfactory.

Prices

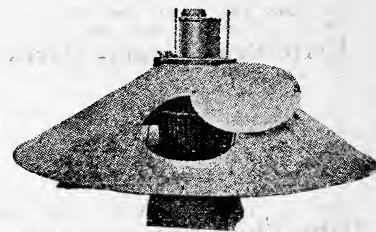
350-Chick Capacity, 42-inch canopy.....\$13.00

500-Chick Capacity, 52-inch canopy..... 16.00

1200-Chick capacity, 60-inch canopy..... 19.00

Ask for complete catalog.

Magic Coal Burning Brooder Stove



The only Coal Burning Brooder on the market that has the patented Gas Chamber.

Positively dependable and gas proof. The check draft on the top of the stove and the venellator at bottom of stove is automatically controlled by the double wafer thermostat. The Magic stove cannot overheat nor can the fire go out for the reason the ventilator at the bottom is open when the upper damper is closed and when the damper is open then the ventilator is closed, thus avoiding overheating. Made in three sizes. Ask for Magic Brooder catalog.

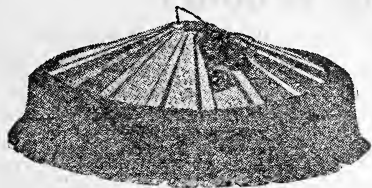
Small Brooder, 42-inch canopy.....\$20.00

Large Brooder, 52-inch canopy..... 25.00

Giant Brooder, 59-inch canopy..... 30.00

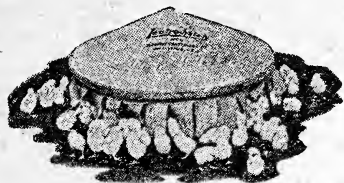
Moe's No. 154 Baby Chick Hover

Capacity, 60 chicks, an excellent hover at a low price. The canopy is heavy, galvanized steel and radiates even heat at all times. It is well made and will last for years if properly taken care of. Each, \$5.00; by parcel post, \$5.40.

Miller's Electric Hover**100% Fireproof and Foolproof**

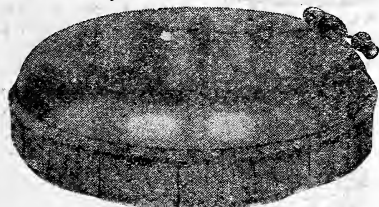
An inexpensive, simple, practical brooder for small flocks, economical to operate, uses ordinary light bulb, attaches to any socket. Body seamless, heavy galvanized steel, supported on strong steel legs. Curtains heavy flannel, slitted to allow chicks access in and out of hover. Bulb has a steel shield to prevent glare on chicks. Complete with 10-ft. cord and screw plug.

50-75 Chick Capacity, 25-in. Hover. \$3.45
100-150 Chick Capacity, 32-in. Hover. 8.50
Prices F. O. B. Memphis.

Lectro-Hatch Electric Brooders

The Lectro-Hatch Brooder has the same principle of reliable heat and automatic temperature control as the Lectro-Hatch Incubator. Lectro-Hatch Brooders are strongly built of heavy galvanized metal, with heavy felt curtain—sturdy, attractive, efficient, and durable.

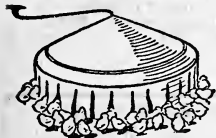
150-chick size, 28-inch diameter....\$18.00
500-chick size, 40-inch diameter.... 23.50
Shipped from factory.

McKomb, Jr. Electric Brooder

A simple practical brooder for small flocks, 80-chick capacity. The die, shell or top is made of heavy steel, attractively enameled and insulated with a full thickness of celatex.

Steel legs support the brooder and a circular drum of galvanized steel encloses the light bulb preventing a glare and inducing a free movement of air throughout. Uses only 40-watt bulb. It will maintain brooding temperature when the outer air drops as low as freezing, operates on 110 voltage.

Price, with 10 feet of cord and a screw plug, but without bulb, only \$3.00.

Smith Brothers Electric Brooder

They have automatic heat control and will raise a big percentage of your chicks, raising them right is the most profitable.

Smith's Electric Brooders are fully guaranteed. Write for circulars.

18-inch, 50 to 75 chick size.....\$ 8.95

24-inch, 100 to 125 chick size..... 9.75

32-inch, 200 to 250 chick size..... 15.00

Smith Electric Brooder

All Smith Brothers Electric Brooders are regularly wired for 110 volts, unless otherwise specified the heater and the bulb of this voltage will be supplied.

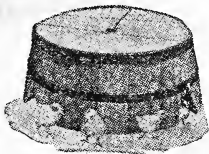
Liv-an-Grow Primary Brooder

A primary brooder, simple, inexpensive, keeps chicks at proper temperature. Any ordinary lamp supplies the heat. The wire screen floor eliminates disease. Try one, you will find it quite satisfactory.

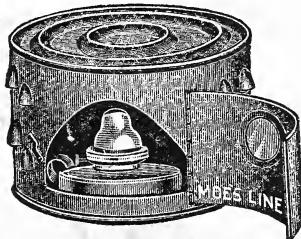
Cares for 25 to 50 chicks. Made of corrugated board, reinforced with galvanized iron. Charcoal or oil lamp or electric bulb supplies the heat. Each, without lamp, \$2.50; postpaid, \$2.85.

Oakes Home Made Electric Brooder Outfit

Make your own brooder at a small cost; a wooden tub, half barrel or box will answer for the top. The Oakes Electric Brooder outfit consists of heater, legs and 8 foot drop cord with detachable plug for light plug. Each, \$3.25; by parcel post, \$3.70.

**Electro Warm Heaters**

The Electro-Warm Electric Fountain Heater keeps water from freezing, even in zero weather. Price, only \$2.00.

Moe's No. 10 Brooder Heater

An excellent heater for a small brooder; place in a box and the chicks will keep warm and comfortable. Each, \$1.90; by parcel post, \$2.15.

Oakes F. 41 Heater

Useful as a brooder heater or for heating the drinking fountain. Each, \$1.75; by parcel post, \$1.95.

Repairs for Oil and Coal Burning Brooders**MOE'S BLUE FLAME HOVER REPAIRS**

Glass Oil Reservoir.....	Each	\$1.50
Reservoir Valve .....	.40	
Burner or Vaporizer, 2 sizes.....	\$1.25	1.50
Flame Adjusting Ring.....	1.25	
Chimney Complete, 2 sizes.....	\$2.50	3.00
Asbestos Wicks .....	.40	
Thermostat Wafers .....	.50	

REPAIRS FOR NATIONAL OIL AND COAL BROODERS

Glass Reservoir	Each	\$1.50
Automatic Valves for reservoir.....	.50	
Burner with Wick, 2 sizes.....	\$5.00	7.50
OB-610 Wick.....50c	OB621 Wick.....	.75
OB636 Canopy Ventilator Lid.....	.75	
Thermostat Wafers for Coal Brooder ..	.50	

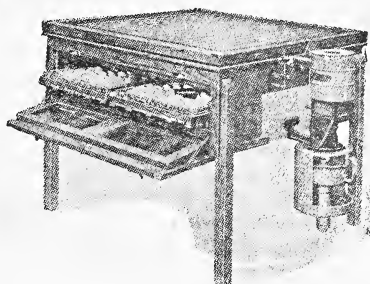
Above parts carried in stock, other repairs will be ordered promptly from factory.

Special Sale of Hovers and Incubators

All F. O. B. Memphis, subject to being unsold. All new machines, fully guaranteed.

Lectro-Hatch—65-egg Electric Incubator. List price \$23.00, on special sale\$20.00

Simplex Junior—500-chick size brooder. List price \$30.00, on special sale 22.00

Standard Automatic Incubators

We are agents for the following well-known machine. Send for special catalogs. Owing to limited space, we are unable to describe them fully, but will send full catalogs and circulars on request. Prices quoted are all F. O. B. Memphis.

Special Sale on Standard Automatic Incubators

These are Hot Water Machines, double walled, constructed of the best California Red Wood. All have the patent automatic revolving chute to regulate the heat. No other machine is like or as good as the Standard Automatic. Every machine is absolutely guaranteed. Now being sold at less than factory cost. They are real bargains—don't miss them.

No. 65A—65-Egg Delaware Automatic Hot Water Incubator, single wall style, list \$16.50. Special Sale....\$11.00

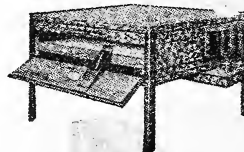
No. 1—125-Egg Standard Automatic Hot Water Incubator, list price \$39.50. Special Sale Price.....\$19.50

No. 2—175-Egg Standard Automatic Hot Water Incubator, list price \$44.50. Special Sale Price..... 27.50

No. 3—250-Egg Standard Automatic Hot Water Incubator, list price \$57.75. Special Sale Price..... 32.50

No. 5D—500-Egg Standard Automatic Hot Water Incubator, list price \$111.75. Special Sale Price..... 60.00

All prices F. O. B. Memphis, subject to machine being unsold.

Old Trusty Incubators

Prices reduced. Here is your opportunity to get a real bargain. They are all new machines, never been uncured. Prices F. O. B. Memphis, subject to machines being unsold. Send for complete catalog of Old Trusty Incubators and Brooders.

60-70 Egg Baby Old Trusty, Hot Water Incubator, list price \$14.75. Special Sale\$10.00

100-120 Egg Old Trusty, Hot Water Incubator, list price \$16.75. Special Sale 12.75

150-175 Egg Old Trusty, Hot Water Incubator, list price \$19.75. Special sale 14.75

190-224 Egg Special Red Wood Case Old Trusty Hot Water Incubator, list price \$29.75. Special Sale..... 22.00

400-480 Egg Little Giant Old Trusty Hot Water Incubator, red wood case, list price \$56.00. Special Sale 38.50

Old Trusty Brooders

500-Chick Old Trusty Metal Brooder Hen, oil burning, list price \$13.75. Special Sale\$10.75

1000-Chick Old Trusty Metal Brooder Hen, oil burning, list price \$17.75. Special Sale 13.75

1000-Chick Old Trusty Solid Comfort Oil Burning Brooder, list price \$19.00. Special Sale..... 14.00

No orders accepted at these prices after our present stock is sold.

Jamesway Fresh Air Coal Burning Brooder

The only moisture tempered fresh air brooder

Under the Jamesway Hover there is a gentle uniform diffusion of pure air that is warmed and tempered with moisture. Growing baby chicks need fresh air. In the Jamesway Brooder the lifeless and foul air is carried off through the stack. This causes fresh air to be drawn in and it is gently spread out under the hover. Jamesway brooder chicks grow faster and stronger because they are not made to breathe over and over, foul, flat, lifeless air.

Moisture Pan

A mother hen brooding her flock of baby chicks tempers the warmth radiated from her body with moisture from the earth.

Where baby chicks are brooded by the hen there is always present warm moist air. The Jamesway brooder is the only one made with the moisture pan.

Doesn't dry out under the hover; provides nature's way of brooding chicks. The Jamesway is the only brooder that imitates nature by adding moisture to the warm air under the hover.

Extra Heating Surface

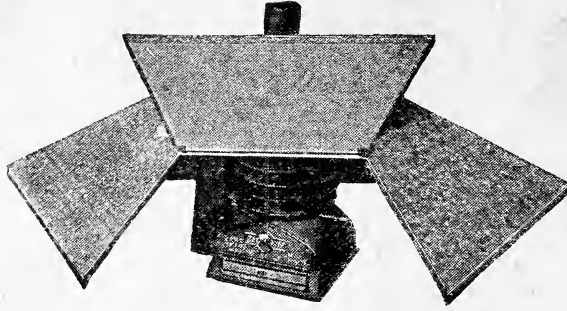
The heat radiation is nearly doubled in the Jamesway, due to the seven radiation fins that run around the stove. It is uniform heat going a greater distance than on stoves that are smooth.

Takes Less Fuel

The greater the radiation surface, the more heat from a given amount of coal. Economy of fuel is the good feature in a Jamesway.

Revolving Hover

The full revolving canopy can be appreciated, no troublesome raising of Hover with ropes or chains. Any part of the stove can be reached through the wide door in front. The upper door is for coaling.



Burns Hard or Soft Coal
If not convenient to get hard coal, then a good grade of lump coal may be used. Care should be used in not adding too much soft coal at any one time.

Fire Safe

Jamesway Hovers have an effective fire wall between the floor and fire. This consists of the ash pan, the moisture pan compartment with its sheet of water and then an air space.

Extra Heavy Grate

Equipped with 9-inch heavy rocker type grates of the very best quality.

Brooder Sizes

Get one large enough—avoid overcrowding and you will succeed. Most brooder stove manufacturers over-rate the capacity;

not so in a Jamesway. Follow their instructions and you will win on your investment.

Brooder No. 652

Has 52-inch canopy, coal capacity 35 lbs., stove stands 26 inches high with 4-inch collar. Standard brooder stove manufacturers rate this 500 to 100 chicks, and that's wrong. Jamesway method advises putting 200 to 500 chicks under a 52-inch hover, which is proper. Price No. 652 Jamesway Brooder with 52-inch canopy, \$24.50.

Brooder No. 660

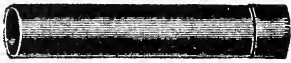
Has a 60-inch canopy, coal capacity about 60 lbs. Pipe collar 4 inches.

The standard rating of this stove is 1000 to 1500 chicks. The Jamesway method tells you to put 300 to 800 chicks under the 60-inch hover in a room 12x18 feet square. Price No. 660 Jamesway Brooder, with 60-inch canopy, \$28.50.

Coal for Brooder Stoves

Anthracite or hard coal, proper size for brooders, 200 lbs. \$32.25
Charquetts, made from hard coal, no smoke or fumes, burns slow and makes a hot lasting fire. 100-lb. sack, \$1.50.

Smoke Pipe for Brooders



No. 114—Galvanized Smoke Pipe, 2 foot length,
3 inch, each.....\$0.35
4 inch, each......40
5 inch, each......45

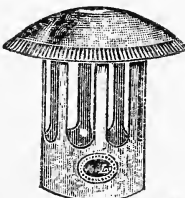
CORRUGATED ELBOWS



No. 115—Galvanized Corrugated Elbows.
3 inch, each.....\$0.35
4 inch, each......40
5 inch, each......45

Smoke Pipe Top Cap

Chimney Cap for Moe's No. 440 Roof Saddle or other Brooder Stove Pipes. Keeps out rain and snow and improves the draft. Easy to install, no tools or bolts required. In two sizes.



Smoke Pipe Cap

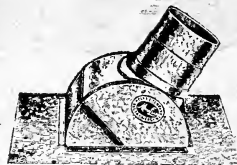
No. 444—Chimney Cap for 4-in. pipe, each.....\$0.50
No. 445—Chimney Cap for 5-in. pipe, each......55

Pipe Collars

No. 117—Pipe Collars. Sizes 6x3, 6x4, 6x5. All same price, each.....\$0.15

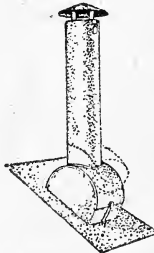
Moe's Adjustable Roof Saddle

For Brooder Pipe



Made of galvanized iron and adjustable to any required angle from an almost flat roof to one-half pitch. Quickly adjusted and locked rigidly in the desired position. Size of flat roof flange 14 inch by 18 inch, and made in two sizes, for 4 inch and 5 inch brooder pipes.
Moe's No. 440—4-inch Roof Saddle, without cap.....\$1.50
Moe's No. 441—5-inch Roof Saddle, without cap.....1.65

Oakes' Adjustable Roof Saddle



For Brooder Stove Pipe. Supplied with smoke pipe caps.

No. F142—4-inch pipe, without ventilator top, each, \$1.95.

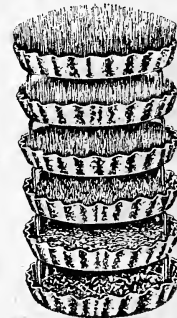
No. F143—5-inch pipe, without ventilator top, each, \$1.95.

No. F145—4-inch pipe, with ventilator top, each, \$2.95.

No. F146—5-inch pipe, with ventilator top, each, \$2.95.

No. 540—Dropping Board Scrapers. A convenient device, strong and durable. Every poultry raiser should have one. Price, \$1.25.

Hudson No. 6 Oat Sprouter



Has six round shaped heavy galvanized iron pans. The frame is strong and well made. Will last many years. No heat or lamp is needed. Place sprouter near a furnace, soak oats 10 to 12 hours, place in pans 1 inch deep; sprinkle and stir every 24 hours.

Price, Hudson No. 6 Oat Sprouter, \$2.75.
Hudson Oat Sprouter f. o. b. Memphis.

The Little Putnam Stove

Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. Costs only 20c to 30c for oil to run an entire winter. Make your own oat sprouter with a Little Putnam Stove. Directions furnished to all customers. Galvanized, price, \$1.95; by parcel post, \$2.20. Wicks for Putnam Stove, 2 for 5c.



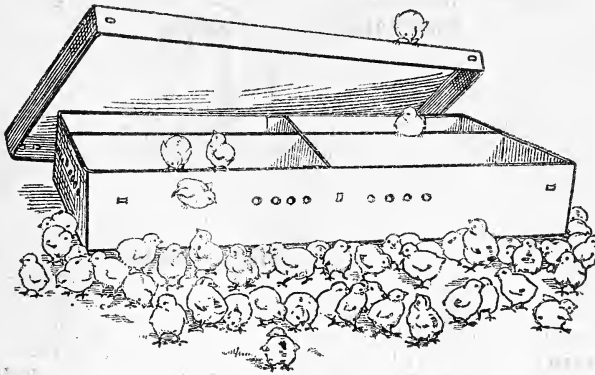
GLOVES FREE WITH ORDERS

These are serviceable and useful in many ways, especially desirable when applying any spray material, or for doing work in the vegetable or flower garden, etc.

With every cash order for \$2.00 and over for any seeds, bulbs, fruit trees or spray materials, we will send you free, when requested, one pair of these Handy Gloves.

Don't fail to ask for a pair.

Russell-Heckle's Baby Chicks



We are pleased to announce we have made arrangements to handle the Sterling Hatchery Chicks. After a careful examination, we can recommend them in every way for the reason their breeding stock is right. All chicks come from their own flocks; their method of hatching is correct, so you will get good, strong chicks that will live if properly handled after you get them.

Orders are filled in rotation. We will not keep you waiting any longer than necessary; during the busy hatching season someone has got to wait, so if possible book your order in advance.

Delivered to your door by parcel post, with a guarantee of 98 per cent live delivery. All claims for loss must be accompanied by signature of your postmaster.

	Prices cash in advance:	25	50	100
White Leghorn Chicks.....	\$3.50	\$6.50	\$12.00	
Barred Plymouth Rocks.....	4.00	7.50	14.00	
Rhode Island Red.....	4.00	7.50	14.00	
White Wyandottes.....	4.50	8.50	16.00	
Mixed Heavy Breeds.....	3.50	6.50	12.00	
Mottled Anconas.....	4.00	7.50	14.00	
No less than 25 chicks sold or shipped.				
Ask for prices on larger quantities.				

Sterling Hatchery Chicks are No. 1 XX grade; the best chicks you can buy no matter what you pay for them. All Sterling Hatchery Chicks are blood tested and certified.

Purchasing "day old chicks" is now the surest and cheapest way to get young stock, but buy the right kind that are hatched from good strong flocks, and hatched under proper conditions.

"A chick is a chick, while an egg is a chance."

A Few "Don't's" for Baby Chick Raisers

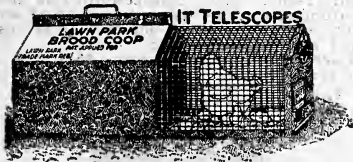
Don't let their first drink be a cold one.
Don't feed before the third day.
Don't over-crowd or allow chilling.

Don't feed mouldy or musty feeds.
Don't feed table scraps to baby chicks.
Don't let chicks go to bed with empty crops.

Don't try to brood two hatches on the same ground.
Don't forget to wash water and milk jars once a day.

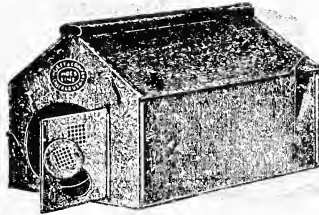
Once a Buyer of Sterling Chix Always a Booster

The Lawn Park Brood Coop



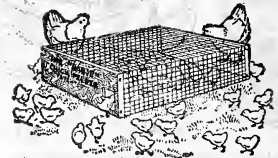
The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Body of coop is made from strong galvanized steel. Size of coop, 18 inches wide, 19 1/2 inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in the air circulates freely without admitting rain or snow. Allows sunshine, fresh air and change of grass. Can be moved from place to place easily. The coop has removable galvanized bottom. Easy to clean. Each, \$3.50, set up ready to use. Knocked down in lots of three, \$9.75. Knocked down in lots of six, \$18.00, f.o.b. Memphis.

Moe's No. 49 Brood Coop



Has a combination door which can be adjusted to keep the hen in and permit the chicks their liberty. When closed it protects both hen and chicks from weather, rats, cats and other animals and yet allows ample ventilation. Size, 16 inches wide, 23 inches long, 16 inches high and weight 12 pounds. Price, knocked down, but can be quickly set up, each, \$1.95.

Babie Chick Feeder No. 30



This simple wire feeder protects the little chicks and insures them plenty of feed, and will pay for itself many times over in economy of feed. It can be used in connection with the Lawn Park Brood Coops. Each, \$1.50; by express only.

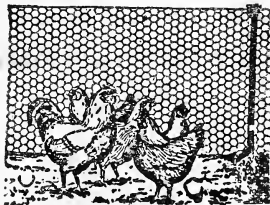
Putnam Brooder Heater



The Putnam Brooder Heater is a very popular one for home made brooders. Used with a box, approximately 32x16x10, it furnishes brooding capacity for from 35 to 50 chicks. Easy to set up and operate. Burns 10 days with one filling of oil and without any further attention. Full directions for making your own brooder furnished with each stove. Each, \$4.50; post-paid, \$4.75.

Wicks for the above, each 5c; doz., 40c. Wick and Holder, 20c each.

Galvanized Poultry Netting



We do not break or cut rolls.

1-inch mesh prices as follows:

	Per Roll of 150 ft.
12 inches high.....	\$3.00
18 inches high.....	4.20
24 inches high.....	5.20
2-inch mesh prices as follows:	
24 inches high.....	2.50
30 inches high.....	2.90
36 inches high.....	3.25
42 inches high.....	4.25
48 inches high.....	4.25
60 inches high.....	5.40

Oakes' Round Brood Coop



For those who prefer a coop without corners, so chicks cannot crowd. Has ventilator door with slide that can be adjusted to keep hen in and allow chicks to come out. Rat

and vermin proof. Diameter 22 inches. No. E110—Each.....\$2.50
A flock of chickens properly fed and taken care of will pay the grocery bill and afford many interesting and healthful hours of otherwise wasted time.

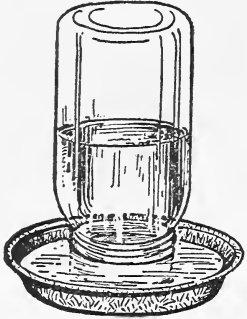
Feeding Baby Chicks

When 48 hours old, not before.

- 1st—A little warm drinking water.
- 2nd—A little fine grit or white sand.
- 3rd—Feed a little Conkey's Chick Starter, dampened with semi-solid buttermilk—make it crumbly, not mushy.
- 4th—Feed them a little at a time three or four times a day.

Russell-Heckle's Poultry and Chick Fountains

Moe's No. 142 Chick Fountain



Moe's No. 142 Round Mason Jar Fountain is made of heavy tin plate, a rust resisting metal, and the finest fountain of its kind on the market. Made in one size and fits any Mason jar in sizes 1 pint, 1 quart and 2 quarts. (We do not furnish the glass jar.)

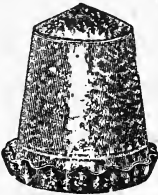
Each, 10c; by parcel post, 15c.

Two-Piece Chick Fountain

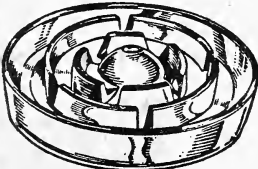
Consists of a cone-shaped can and a stamped pan, which forms trough from which fowls drink. Both parts made of galvanized sheet steel.

No. E78—Capacity 1 quart, list, each, 30c; postpaid, 40c.

No. E79—Capacity 2 quarts, list, each, 45c; postpaid, 55c.



Oakes' Buttermilk Fountain



Miller's Glass Chick Fountain

Aluminum pan. Using buttermilk in any other material than aluminum or stone causes an acid to form and kills the chicks. Made in two sizes, quarts and two-quarts. F-70A—1 quart, with pan, each.....\$0.40 F-70B—2 quart, with pan, each.....\$0.40

By parcel post, 10c each extra.

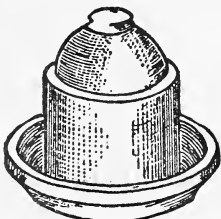
Special Stand for Buttermilk Fountain

F-70C—Stand only, no pan—will fit No. 70A and No. 70B Fountain. 25c; by parcel post, 35c.

Miller's Glass Chick Fountain

Fits any ordinary Mason jar. Made of rolled glass, easily kept clean, fine for either water, buttermilk or administering remedies. Price, without jar, 25c. Cannot be mailed.

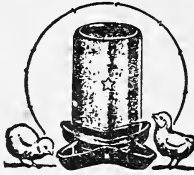
Stoneware Jug Shaped Fountain



It is made in two parts, the saucer being separated from the upper portion, so it can be easily cleaned. These stoneware fountains are the best to have when using any medicine, such as White Diarrhoea or Cholera remedies. Not mailable. 1 qt., 40c; 2 qt., 60c; 4 qt., 85c.

Moe's Star Fountains

No parts to come unsoldered. Will fit pint, quart or half-gallon Mason jar. Price of holder, without jar.



Each Postpaid
No. 32—Galvanized\$0.10 \$0.15
No. 133—Tin Plate15 .25

Oakes' No. F-69 Chick Fountain



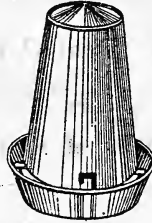
Made of galvanized steel. Can screws into cap in center of pan. Enables you to use either pint, quart or half-gallon Mason jar.

No. F-69—Each, 10c; by parcel post, 15c.

Two-Piece Buttermilk Fountain

Made of bright charcoal tin plate, which is not effected by milk acids. The same material as is used in milk cans, etc. Absolutely safe and sanitary feeders for buttermilk and sour milk.

No. 153—4-qt. capacity. Each, 75c; by parcel post, 95c.



Moe's No. 139 Adjustable Milk Fountain



A Magazine Feeder in tin plate for feeding buttermilk. Capacity 2 qts.; has 12 feeding holes.

No. 139—Each, 75c; by parcel post, 95c.

Oakes' Drop Bottom Fountain

The hinged bottom enables fountain to be thoroughly cleaned, while flat back keeps it firm against the wall. Drinking space two-thirds distance around can.

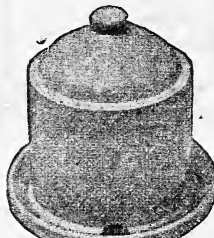
The lower pan is of a medium height, therefore, makes a desirable fountain for growing birds.

No. F-23—1 gal., each, \$1.25; by parcel post, \$1.45.

No. F-24—2 gals., each, \$1.50; by parcel post, \$1.75.

No. F-25—4 gals., each, \$2.00; by parcel post, \$2.30.

Stoneware Buttermilk Fountain



This is the strongest and best constructed Earthen Buttermilk Feeder or waterer on the market. The saucer and top container is highly glazed inside and out of high grade earthenware. 1/2 gal. size, 60c; 1 gal. size, 85c; not mailable.

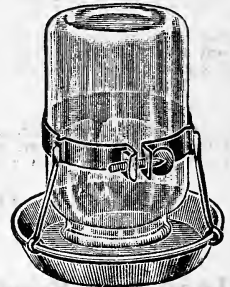
Oakes' F-68 Chick Fountain



This appliance for chick feeds water, grain, grit, etc., automatically. An absolutely sanitary fountain, made to fit any half-gallon, quart or pint Mason jar. We do not furnish jars. Pan is hinged to the wire so that it is not necessary to remove the can in order to refill it.

Each, 10c; by parcel post, 15c.

Felker's Adjustable Milk Fountain



To be used with any make of Fruit Jar. A perfect feeder for sour milk, water, hard grain or grit. The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding.

Each, 35c; by parcel post, 45c. We do not furnish jars.

Inexpensive Gallon Fount



This Gallon Fountain is a fine value for the money. Can is inverted to fill. Very easy to clean. Pan is held to can by friction. Will not tip over. Provides drinking space all around the pan. Fine for small chicks as the pan is low.

Each, 50c; by parcel post, 65c.

Moe's Square Top Fill Fountain



Made of heavy galvanized iron, with double walls, which keeps the water cool in summer, and retards freezing in winter. Feeds automatically, no valves to get out of order. Fills from the top, thus avoiding the annoyance of spilling over while being filled. Thoroughly sanitary and as easily cleaned as an ordinary pail.

Can be hung up out of the litter, and the square pan gives drinking facilities for two pens at the same time.

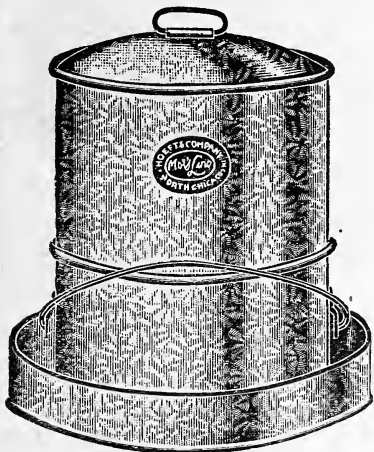
No. 1—1-gal. capacity, each, \$1.45; by parcel post, \$1.70.

No. 2—2-gal. capacity, each, \$2.25; by parcel post, \$2.60.

No. 4—4-gal. capacity, each, \$2.65; by parcel post, \$3.00.

Russell-Heckle's Fountains and Feeders

Moe's New Style Top Fill Cleanable Fountain



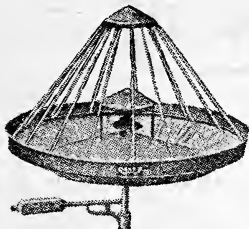
Made with round drinking pan, which is preferred by many, and the outside cover has a wire handle so that it can be used to carry water when filling the outside tank.

The Fountain is made of heavy galvanized steel, double walls, which will keep water cool in the summer and warm in cold weather. Easy to clean.

No. 33—2-gal. capacity, each, \$2.25; by parcel post, \$2.60.

No. 34—4-gal. capacity, each, \$2.65; by parcel post, \$3.00.

Oakes' Never-Dry Waterer



Automatically controlled flow of water. Easily attached to hose or water pipe. Nothing to get out of order. Fowls can not scratch dirt or litter into it.

No. E-35—Each \$3.00

Moe's Coop Cup

Used for mating or exhibition coops. Each, 15c; 12, \$1.50; parcel post, each, 20c.

Moe's Retinned Buttermilk Feeder

No. 131—8 feeding holes, each, 15c; by parcel post, 25c.
No. 132—12 feeding holes, each, 30c; by parcel post, 40c.

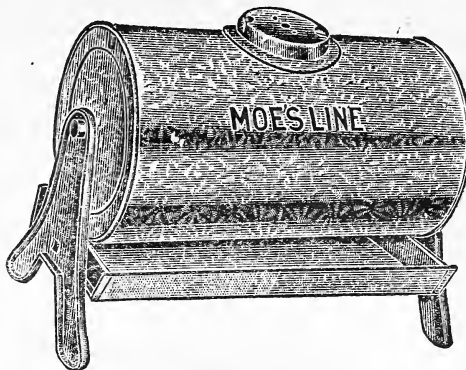
Moe's Porcelain Buttermilk Feeder



Moe's Round Chick Feeder, white porcelain enameled inside, not affected by milk acids and just the thing for feeding buttermilk, sour milk and medicated feeds. Sanitary and safe. Easily kept clean.

Diameter 8 1/4 inch with 12 feeder holes.
No. 190—Moe's Enameled Feeder, each, 60c; by parcel post, 75c.

Moe's Horizontal Swinging Fountain

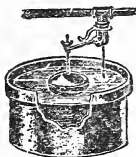


A new style fountain with large capacity. Can easily be kept clean and sanitary; has no valves or complicated parts. Mounted on steel legs. Can be filled and cleaned from the top.

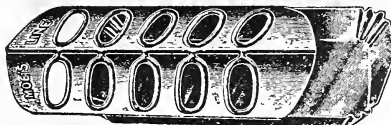
No. 43—Moe's Horizontal Swinging Fountain, 10 gallon capacity, each, \$4.00, f. o. b. Memphis.

Moe's Automatic Poultry Fountain

Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water. The automatic valve and float is entirely of brass, nickel finish with nothing to rust. Price, complete with pan, \$1.25; by parcel post, \$1.40; without pan, 90c; by parcel post, \$1.00.



Moe's Aluminum Buttermilk Feeders



Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similar feeds.

No. 69—10-inch, each, 50c; by parcel post, 60c.

No. 70—20-inch, each, 90c; by parcel post, \$1.05.

Moe's Heavy Tin Buttermilk Feeders



Especially desirable for feeding buttermilk. Easy to clean; no seams, rivets or solder; has sliding top, a clean, sanitary device. Made of heavy tin, which is not affected by acids.

No. 137—10-inch, 10 holes, each, 25c; by parcel post, 35c.

No. 138—20-inch, 20 holes, each, 40c; by parcel post, 60c.

Moe's Upright Insulated Double Wall Fountains



Moe's Insulated Poultry Fountains are made with thick double walls which keep the water warm in winter and cool in summer.

2 gallon size, each, \$2.50
3 gallon size, each, \$3.25
5 gallon size, each, \$4.25



Oakes' "Capacity"

Oakes' "Capacity" Fountain

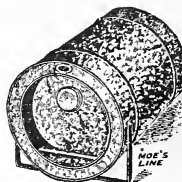
Keeps a plentiful supply of clean, fresh drinking water always available. Drinking space all around can; fountain filled from top. Can also be equipped with heater for winter service.

No. F-9—5-gal. fountain, \$3.75

No. F-8—8-gal. fountain, 5.00

By express or freight only.

Moe's Lay Down Insulated Double Wall Fountain



Keeps water warm in winter and cool in summer.

No. 8—3-gallon size, each, \$3.50.

Oakes' Sani-Thermo Fountain

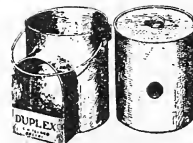


It keeps the water warm in winter and cool in summer. Made of galvanized iron. Top-filled, making it easy to fill and clean. Two sizes.

No. F-17—Capacity 3 gallons, each, \$4.00.

No. F-18—Capacity 5 gallons, each, \$4.50.

By express or freight only.



The Duplex Fountain

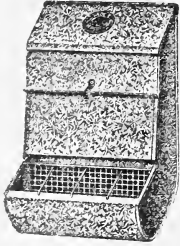
This is a double wall fount, keeps the water clean and pure. Easy to fill, easy to care for. 4-qt., \$1.25; 8-qt., \$1.75; by parcel post, 4-qt., \$1.50; 8-qt., \$2.10.

The Twin Duplex Fountain

Constructed with two water fronts which doubles the drinking capacity. Eight-quart size, each, \$2.00; by parcel post, \$2.25. 5-gal, \$3.50. Cannot mail.

Russell-Heckle's Poultry and Chick Hoppers

Moe's Never Clog Mash Hopper



Does not clog, no matter how coarse the mash is.

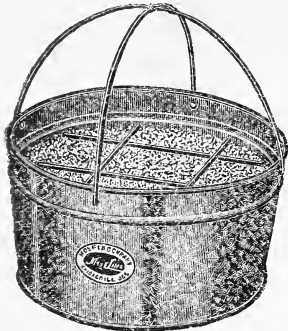
No. 35—10-qt. capacity, \$1.50; by parcel post, \$1.80.

No. 36—14-qt. capacity, \$1.75; by parcel post, \$2.10.

No. 15—22-qt. capacity, \$2.25; by parcel post, \$2.65.

No. 37—32-qt. capacity, \$2.60; by express only.

Moe's Round Mash Hopper



A good, economical Dry Mash Feeder, made of heavy galvanized iron with a capacity of 8 quarts.

Has wire grid which rests on the feed and prevents the birds from wasting it. The top wire bales prevent the chickens from getting in the hopper. Each, 60c; by parcel post, 75c.

Moe's Growing Chick Feeder



A feeder for growing chicks. Has a large capacity, with 16 openings on each side, so that 32 chicks can feed at one time. Has a sliding cover, easy to fill and clean.

No. 140—10 qts., each, \$1.10; by parcel post, \$1.50.

No. 141—Has 27 openings on each side, so 54 chicks can feed at one time. 17½ qts., each, \$1.75; not available.

No. 148—Extra Hopper for No. 141, 50c; by parcel post, 75c.

No. 149—Rain Cover for No. 141, 35c; by parcel post, 50c.

Moe's Double Trough Feeder



Has two sides, otherwise identical with the single trough.

No. 58—12 inches long, each, 30c; by parcel post, 40c.

No. 59—18 inches long, each, 45c; by parcel post, 60c.

No. 60—24 inches long, each, 60c; by parcel post, 75c.

Moe's Single Trough Feeder



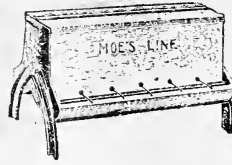
Just the thing for feeding baby chicks; has sliding top, easily cleaned.

No. 55—12 inches long, each, 25c; by parcel post, 35c.

No. 56—18 inches long, each, 35c; by parcel post, 50c.

No. 57—24 inches long, each, 40c; by parcel post, 55c.

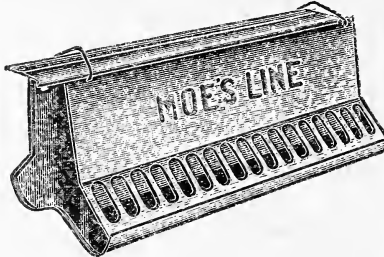
Moe's Mammoth Dry Mash Hopper



Well made, strongly braced and reinforced. Will not clog, prevents waste, and gives easy access to mash. The stand is made of heavy steel, holding hopper firmly at proper height from floor; just right distance for hens.

No. 25—Mammoth Feeder, length 36 inches, capacity 3½ bushels, about 115 lbs. of mash. Price, complete with stand, \$8.00.

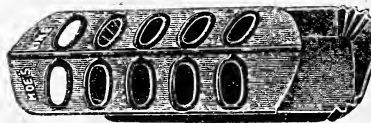
Moe's Big Boy Feeder



Especially made for growing stock, chicks 4 to 6 weeks old and up to full grown fowls. Has round edges so that large birds cannot injure their combs. The feeder holes are exactly the right size and shape to prevent waste.

No. 160—Moe's Big Boy Feeder, length 33 inches, capacity about 75 lbs. Price, with sliding cover, \$3.75.

Moe's Eclipse Feeding Trough



No. 27—10 inch, 20c; by parcel post, 30c.

No. 27—20 inch, 30c; by parcel post, 45c.

Oakes' Chick Feed Troughs



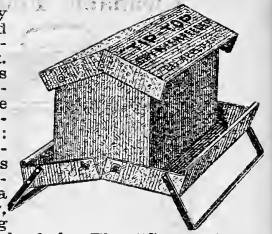
No. F-71—10 inch, each, 25c; by parcel post, 35c.

No. F-72—20 inch, each, 35c; by parcel post, 50c.

Other Chick Hoppers

	Each	Postpaid
Conkey's Norwich Chick Trough	.....\$0.50	\$0.70
Conkey's Norwich Chick Trough, with Rain Guard
Cyclone Babie Chick Feeder No. 6
Hinged Cover Chick Trough, 10 inch
Hinged Cover Chick Trough, 20 inch
Moe's Round Chick Feeder No. 11
Moe's Round Chick Feeder No. 12
Moe's Trough Growing Chick Feeder, 13 inch
Moe's Trough Growing Chick Feeder, 24 inch
Moe's Pigeon Feeder, 3-qt. capacity
Oakes' No. F-6, 48-inch Chick Feeder
Oakes' No. F-6, 48-inch Feeder, with lid
Oakes' Chick Grit and Shell Box
Oakes' No. F-76 Dry Mash Chick Hopper

The "Cymaco" Dry Mash Feeder



Made entirely of steel and very substantially built. Among its many advantages are the following special features: Its special construction gives it the advantage of extra large capacity, same being

about one-half bushel. The "Cymaco" has twice the feeding room afforded by the ordinary feeders, and thus accommodates twice as many fowls at one time. The feed troughs are shodded, making the "Cymaco" serviceable as an outdoor feeder. The "Cymaco" is also equipped with agitators operated automatically by the fowls feeding, which absolutely prevents clogging.

No. 12—Holds ½ bushel, \$2.00; by parcel post within second zone, \$2.40.

No. 24—Holds 1 bushel price, \$3.25; not available.

Moe's Peerless Growing Chick Feeders



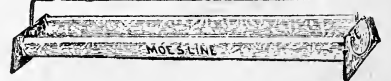
For chicks and growing fowls. Large capacity and perfectly suited for either large or small flocks. The magazine or hopper is adjustable up or down for different kinds of mash and feed. The vertical feeder holes also make it impossible for the chicks to waste the feed. Thirty chicks can feed at one time. Made in two sizes.

No. 192—Peerless Feeder, height 9½ in., capacity 10 qts., each, \$1.40.

No. 193—Peerless Feeder, height 12 in., capacity 18 qts., each, \$1.90.

By express or freight only.

Moe's Dixie Feeding Trough



The round troughs are easily filled and cleaned, have turned edges to prevent waste. Fitted with heavy wire guard to keep chicks out of feeder. This guard is adjustable to large chicks if desired.

No. 462—Dixie Feeder, 30 inches long, each, 35c; by parcel post, 50c.

Moe's Grit and Shell Box

By the use of these self-feeding boxes practically every particle of grit and oyster shells will be properly used, preventing waste.

No. 45—Two compartments, chick size, each, 40c; by parcel post, 50c.

No. 9—Three compartments, hen size, each, 80c; by parcel post, \$1.00.

No. 90—Four compartments, each, \$1.00; by parcel post, \$1.25.

Moe's Magazine Feeder



A new round chick feeder with a magazine or container to hold a good quantity of feed.

No. 18—Moe's Magazine Chick Feeder, capacity 2 qts., each, 50c; by parcel post, 65c.

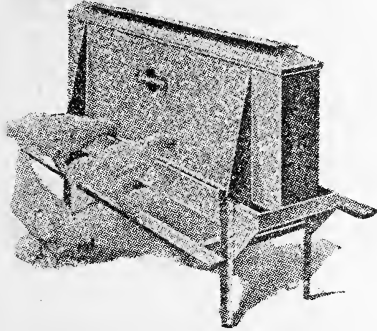
Jamesway Poultry House Equipment

There is nothing just like Jamesway Poultry House Equipment. It's the best money can buy, in the materials used, the sturdy construction, and in the convenience and satisfaction it will bring in your poultry house.

Jamesway costs a little more, but in the end it is far more economical.

We have added the Jamesway poultry equipment to our lines because we wish our customers to have the best. Remember, Jamesway Poultry Equipment is in a class by itself. Look up a Jamesway user near you and ask them.

Jamesway Self Feeder



The patented Jamesway Self Feeder is really five big capacity feeders in one. The big middle compartment holds a week's supply of egg laying mash. The small bins at each end hold enough grit, shell, charcoal and beef scraps to last several weeks.

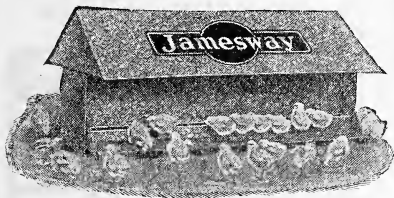
Dry Egg Laying Mash can't clog in a patented Jamesway Feeder. Every time a hen jumps on the feeding perches, the mash compartment joggles back and forth and down comes the feed.

Every Jamesway Feeder is built to last of smooth heavy steel that with ordinary care will serve many years and pay handsomely. The Jamesway Self Feeder is made for poultrymen who demand the best quality and the best features.

No. 527—Holds 50 lbs. egg mash, 9 lbs. beef scraps, 5 lbs. charcoal, 65 lbs. grit, 15 lbs. oyster shell. Self feeds 75 to 100 hens for one week with one filling. Each, \$11.80.

No. 528—Holds 100 lbs. egg mash, 9 lbs. beef scraps, 5 lbs. charcoal, 15 lbs. grit, 15 lbs. oyster shell. Self feeds 160 to 200 hens one week on one filling. Each, \$17.45.

Jamesway Bungalow Chick Feeder



Self feeds 200 chicks. The Jamesway Bungalow Chick Feeder saves food, keeps it clean and wholesome.

The broad bungalow roof keeps feed dry and clean, guards and prevents chicks from getting into the trough and scratching. The feeder is built especially for outdoor use but of course can be used indoors as well. Like all Jamesway products, it is made to give lifelong useful service and complete satisfaction in every way.

The feeder is 36 inches long and 16 inches high. It holds 50 pounds of dry chick mash, enough to self feed about 200 chicks for one week without refilling. Room along the sides permits 40 to 50 chicks to feed at one time.

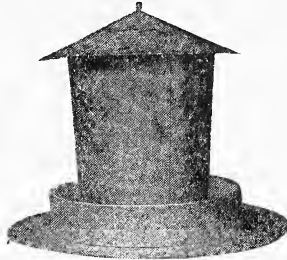
No. 632—Jamesway Bungalow Chick Feeder, each, \$7.50.

Jamesway Feed Scoops

One of the handiest things around the poultry house or feed room. These scoops are strong and well made. Two sizes.

No. 542—2-qt. Scoop, each, 50c.
No. 544—4-qt. Scoop, each, 75c.

Jamesway Sure Feed Chick Feeder



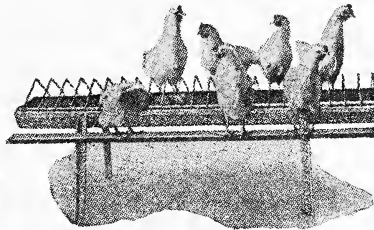
For small flocks, holds 4 quarts of dry mash and will feed 25 to 30 chicks one week with one filling.

The feed trough is adjustable in height. This can be used as the chicks grow with the assurance that the mash will always work down into the feed trough. With this feeder there will be mash before the chicks all the time.

Solidly and substantially built of galvanized sheet steel.

No. 535—Sure Feed Chick Feeder, each, \$1.25.

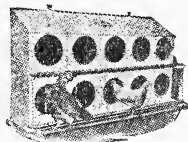
Jamesway Wet Mash Feed Trough



Built to feed either wet mash, green feed or dry mash. Wire guards prevent hens from getting into the pan. The galvanized pan is 10 inches wide and 4 inches deep. The trough is 60 inches long and 20 inches wide over perches. It stands 25 inches high on sturdy, metal legs; takes up very little scratching room on the floor.

No. 525—Jamesway Wet Mash Trough, with legs, each, \$5.75.

Jamesway All Metal Nests



Lice and mite proof, built right in every way, with non-roost top. Jamesway metal nests are self-cleaning, made of galvanized rust resisting steel sheets.

6-Nest Unit, \$3.25
10-Nest Unit, 11.50
15-Nest Unit, 16.00

10-Nest Unit Stand.....\$9.00
15-Nest Unit Stand.....10.00

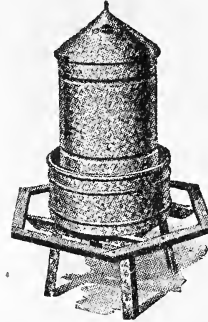
No. 831—Galvanized Trap Door Front, each, 40c.

All above f. o. b. factory.

Fifty thousand satisfied customers! Help us make it a hundred thousand. If you like us, tell your friend—we'll treat them right, too.

There are others whom you know that we should be selling—we will appreciate their names. Thank you.

Jamesway Cleanable Fountain



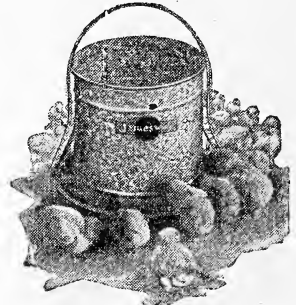
Made of heavy galvanized sheet steel. Copper float and brass valve keeps fresh water at the proper level in the drinking pan; can't overflow. Lamp in base keeps water at proper temperature. Easy to fill and easy to clean.

No. 513—Jamesway Waterer, without stand and without lamp, capacity 8 gallons, each, \$5.90.

No. 512—Jamesway Waterer, with lamp, no stand, for keeping water warm, each, \$7.90.

No. 545A—Stand for Jamesway Waterer, keeps hens from scratching dirt, etc., into pan, each, \$1.50.

Jamesway Baby Chick Waterer



Holds 6 quarts and does the work of half a dozen Mason Jars, won't tip over, easy to clean and fill; made of heavy rust resisting sheet steel. Poultry experts state it is the most satisfactory chick waterer ever built.

No. 507—Jamesway Baby Chick Waterer, each, \$1.25; by parcel post, \$1.55.

Jamesway Pressure Waterer



Built large enough for 150 to 200 hens. Can be adjusted to any water pressure. Wire guards keep hens out of water. It sets off the floor on strong metal legs. Drinking trough is 35 inches long, 5 inches wide and 2 inches deep.

No. 536—Jamesway Waterer, each, \$6.90.

Jamesway Dropping Board Scraper

The blade is 18 inches long and has a keen scraping edge, constructed to hug dropping board and remove all dirt. Can be pulled toward you or shoved away from the operator. A most useful tool in the hen house.

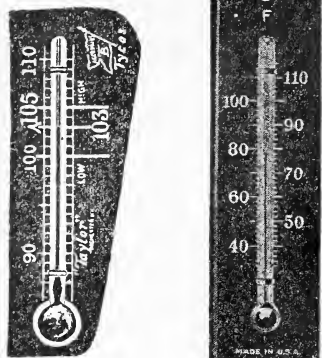
No. 540—Jamesway Dropping Board Scraper, each, \$1.25.

WRITE FOR SPECIAL CIRCULAR

On Jamesway Poultry Equipment, which describes more fully all of above, including the Jamesway Brooder.

Incubator Supplies, Leg Bands, Thermometers, Etc.

Incubator and Brooder Thermometers

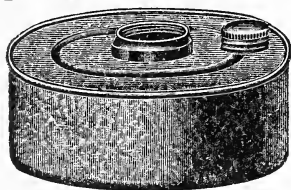


We handle the celebrated Tyco's Thermometer. They can be used in any make of incubator. Just state which machine you are using and whether you want the thermometer to hang or stand.

Prices

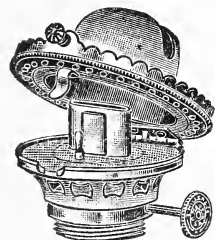
- No. 5776—With non-tipping stand, white scale, each.....\$0.85
 No. 5783—Retested and certified on non-tipping stand, black scale, each 1.25
 No. 5780—Flat lay-down style, each... .70
 No. 6004—Old Trusty, each......75
 No. 7010—Cycle Hatcher, each......85
 No. 8030—Lectro-Hatch, each.....1.00
 No. 5796—Tyco's Hygrometer, each...1.50
 No. 5792—Brooder, 8 in., round, each...60
 No. 5794—Brooder, 5 in., flat, each...50
 No. 7960—Lectro-Hatch Brooder, each...50
 No. 5715—Dairy, each......45
 No. 400—Brooder Thermometer, length 10 inches, round, each.....1.00
 By parcel post, add 10c each for postage.

Incubator Lamp Bowls



- | | | |
|------------------|--------|----------|
| | Each | Postpaid |
| No. 1 Bowls..... | \$0.50 | \$0.60 |
| No. 2 Bowls..... | .60 | .75 |
| No. 3 Bowls..... | .75 | .90 |

Incubator Lamp Burners



No. 1 Burner, each, 35c; by parcel post, 45c.

No. 2 Burner, each, 45c; by parcel post, 55c.

No. 3 Burner, each, 70c; by parcel post, 80c.

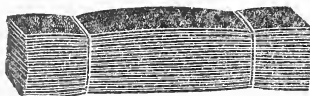
No. 2 Chimney-less Burner, each, 75c; by parcel post, 85c.

No. 4 C. A. Burner, each, 50c; by parcel post, 60c.

Double Burner

Gives extra heat. Uses two No. 3 Wicks. Each, 75c; by parcel post, 85c.

Incubator and Brooder Lamp Wicks



No. 1, 2 and 3 Cotton Wicks, each, 5c; parcel post paid.
 No. 1, 2 and 3 Red Felt Wicks, each, 10c; parcel post paid.

Colored Celluloid Spiralet Leg Bands

Mark your hens and pullets differently. Know what you are doing. Spirol bands are made of seasoned celluloid. Last a lifetime. Slip on like a key-ring. Birds cannot lose them. Light as a feather. Will not fade. Colors: black, white, dark blue, pink, light blue, red, green, yellow, purple.



Postpaid Prices

	Doz.	50	100
No. 1—Brahmas, etc....	\$0.20	\$0.50	\$0.75
No. 2—Barred Rocks, R.			
1. Reds, Minorcas.....	.20	.50	.75
No. 3—Leghorns and Anconas.....	.20	.50	.75
No. 4—Bantams.....	.20	.50	.75
No. 5—Pigeon size.....	.15	.40	.60
No. 6—Baby Chick size..	.15	.40	.60

Victor Colored Leg Bands

Have large printed numbers. Supplies in five colors: red, white, blue, green and yellow, with numbers from 1 to 200. Adjustable. 12 for 40c; 25 for 75c; 50 for \$1.25; 100 for \$2.00; postage paid.



Reliable Colored Leg Band



In colors with printed numbers. Made of aluminum with colored numbered inserts. Adjustable. Supplied in three colors and with numbers from 1 to 100. Packed in envelopes, 12 to 25 bands to an envelope. Will fit Barred Rocks, Rhode Island Reds, Minorcas, Anconas and Leghorns. Our selection of color, doz., 25c; 25, 50c; 100, \$1.25; postage paid.

IMPROVED CHAMPION LEG BAND



LARGE RAISED FIGURES

These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 500. Doz., 15c; 25, 25c; 100, 75c; postage paid.

Coloroid Coil Baby Chick Bands

This is a neat, attractive and very visible band, easy to apply; can be applied the day chicks are hatched, or later; can be used several times.

We make this band in colors as follows: orange, black, white, dark green, red and blue. Not numbered. 25 for 25c; 50 for 40c; 100 for 75c.



Elite Colored Pigeon Bands



Made of a special grade of aluminum with colors plain, and has large numbers. Colors: green, red, white, black, gray, blue and orange; numbered in pairs from 1 to 100. 6 pairs, 12 bands, 25c; 12 pairs, 45c; 24 pairs, 85c; postage paid.

We handle a complete line of Jamesway Poultry Fountains, Hoppers, Brooder Stoves, etc. Let us quote you on your requirements.

"Bandettes"

The latest spring clip pattern. Made entirely of celluloid. Bandettes are strongly made, the numbers are indestructible being impressed in bold type. They are bevel ended. Bandettes are easy to put on, being applied like the Spiralet Bands. Bandettes come in the following colors: red, blue, green. Two sizes: Mediterranean (Leghorn) and American (Rocks). 12 for 35c; 25 for 55c; 50 for 90c; 100 for \$1.60; postage paid.



Petty Poultry Punches



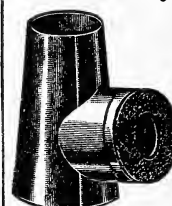
These are made for marking baby chicks by punching a hole in the web between the toes. Pocket size Petty Punch, 25c; postage paid. Improved Petty Punch, 50c; postage paid. Moe's Ideal No. 35, 40c; postage paid.

Incubator and Brooder Lamp Chimneys

For Incubators and Brooders. Strong metal. No. 1 Chimneys, each, 25c; by parcel post, 35c. No. 2 Chimneys, each, 30c; by parcel post, 40c. No. 3 Chimneys, each, 35c; by parcel post, 45c.



Dandy Egg Tester



This Egg Tester is designed for use on ordinary hand lamp, and fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate interior of egg. Each, 30c; by parcel post, 40c.

The Patterson and Young Incubator Moisture Guide

A scientific and practical evaporation measure which tells accurately when to add moisture or give more ventilation in the incubator.

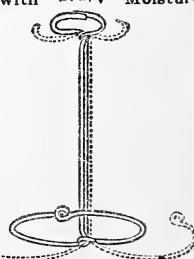
The Patterson & Young Incubator Moisture Guide is a true evaporation measure based on nature's law of evaporation and was scaled according to the correct evaporation of eggs. It is easy to read as a thermometer, there being a graduated scale on one side of the glass tube showing where the water line should be each day of incubation.

Directions come with every Moisture Guide.
 Each, \$1.00; 6 for \$5.00; postage paid.

The No-Set Poultry Guard

Will not injure the hen in any way and effectually prevents her from setting.

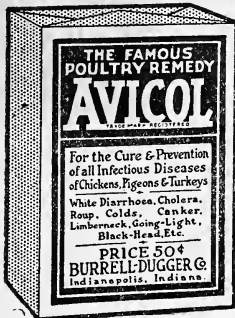
No. 290—No-Set Guard, each, 10c; by parcel post, 20c.



Russell-Heckle's Poultry Remedies

Avicol

For White Diarrhoea or Cholera in Chick-
en and Black-head in Turkey—We
Recommend Avicol for Preven-
tion and Treatment.



Avicol should be in the very first water the little chicks drink. And it will pay you to keep it in the drinking water for all the flock, old and young. Our guaranty protects you. Money refunded without question if Avicol doesn't satisfy you perfectly. 32 tablet size, 50¢; by parcel post, 60¢; 80 tablet size, \$1.00; by parcel post, \$1.10.

Avian Bacterin



Protect your flock against roup, colds, sorehead, chicken pox, etc., or save a large percentage of sick birds in flocks already affected with ASL Avian mixed bacterin. This wonderful preparation is administered by means of a hypodermic syringe. Complete directions with every package. 60-dose bottle, \$1.50; 250-dose, \$4.00. Syringe and needle, \$1.50; postpaid.

Barnes' Worm Emulsion



Barnes' Worm Emulsion establishes a healthy condition in the bird, and causes this theft of nourishment to be returned to its proper channels for distribution; for when the bird becomes healthy, the juices will digest and assimilate these meaty worms.

Worms are more frequently present in the intestines of chickens than many would believe. This is particularly true of young chickens. Young chicks that have this EMULSION in their drinking water constantly show a remarkable growth and fine form.

Worm Emulsion can not poison poultry or lower animals in any dosage. Its function always is to build vitality.

Prices of Barnes' Worm Emulsion. 16 oz., 50¢; by parcel post, 70¢; 1 qt., \$1.00; by parcel post, \$1.20; 1 gal., \$3.00; 5 gal., \$10.00; by express or freight only.

Animal Poultry Yeast Foam



Makes healthier hens; more eggs; prevents leg weakness and paralysis; makes chicks grow fast. Worth its weight in gold as it makes bigger hatchlings and bigger chicks. Per box, 80¢; by parcel post (within 2nd zone), \$1.00.

Barnes' White Diarrhoea Remedy

This remedy is made specifically for White Diarrhoea, Coccidiosis and all bowel troubles. We recommend it. Per bottle, 25¢; large size, 50¢; by parcel post, 35¢ and 85¢.

Bee Dee Poultry and Stock Powders

A poultry and stock medicine. Highly recommended for all stock and poultry troubles, hog cholera, etc. 25¢ and 50¢ a can; by parcel post, 32¢ and 60¢.

Chicklivia



CHICKLIVIA is intended to keep chicks in a continuous healthy growing condition; able to digest rich, growing rations, safeguarding their digestion and assimilation and at the same time building up strong red blood, bone, muscle and tissue.

The use of CHICKLIVIA is strongly recommended for regulating the digestion and assimilation, toning the bowels and blood so that every morsel of food that is eaten may be properly assimilated and go towards building up a strong, robust constitution. Its purpose is to enable the chick to throw off the disease germs that cause White Diarrhoea, Constipation, Colds, General Debility and other chick ailments that reap such a tremendous death toll annually and make the poultry business so uncertain and hazardous.

1-lb. box, enough to use in 200 pounds chick mash, 75¢; by parcel post, 85¢.

Chickoline

A sure cure for Sorehead or Chicken Pox in poultry. One application will cure almost any ordinary case. Apply Chickoline to combs or infected parts with a brush and in a few days the bumps will fall off. In very severe cases a second treatment will complete the cure.

Chickoline is also a fine remedy for cold, roup, diphtheria and canker in poultry, also for head lice on baby chicks.

Per bottle, with brush, 55¢; by parcel post, 65¢.

Crewood Oil

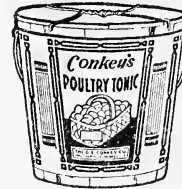
Paint or spray the poultry house with Crewood Oil. Insects, mites or lice cannot survive where it is.

Every poultry raiser well knows what mites and lice do to the egg production and health of his flock.

Use Crewood Oil once a month on the perches and wooden parts in the poultry houses. It is a special distilled wood creosote that soaks into the wood and kills the germs and mites instantly.

Apply with a sprayer or brush and further worries will be over.
1-gal. can, \$1.00; 2½-gal. drum, \$1.50; 5-gal. drum, \$2.50; 10-gal. drum, \$4.50.

Conkey's Poultry Remedies



They Are Guaranteed
Conkey guarantees that your money will be cheerfully returned if you are not satisfied. All Conkey dealers are authorized to refund your money when you ask for it, but if you should have any difficulty, please write to Conkey.

	Each	Postpaid
Conkey's Blackhead Remedy	\$0.50	\$0.60
Conkey's Canker Special	.50	.60
Conkey's Cholera Remedy, small	.25	.40
large	.50	.60
Conkey's Gape Remedy, small	.25	.30
large	.50	.60
Conkey's Headlice Ointment, small	.10	.15
large	.25	.30
Conkey's Healing Salve	.25	.30
Conkey's Limber Neck Remedy	.50	.60
Conkey's Lice Fix, small box	.25	.30
large box	.50	.55
Conkey's Sodium F. Lice Powder, 1b. box	.35	.45
3 lb. box	.75	.90
Conkey's Lice Powder, 15 oz. box	.25	.35
Conkey's Lice Powder, 48 oz.	.50	.65
Conkey's Poultry Worm Powder, small	.25	.35
Conkey's Poultry Worm Powder, large	.50	.60
Conkey's Poultry Laxative, small	.25	.35
large	.50	.60
Conkey's Poultry Condition, small	.25	.35
large	.50	.60
Conkey's Poultry Tonic, 1½ lb. pkg.	.25	.35
3-lb. pkg.	.50	.60
7-lb. pkg.	1.00	1.20
25-lb. pall	3.00	



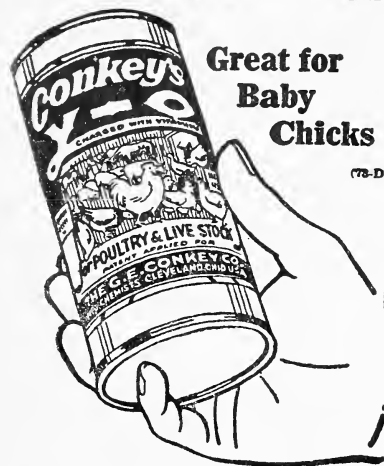
Conkey's Roup Remedy, small	.30	.35
medium	.60	.65
large	1.20	1.50
Conkey's Roup Pills, small	.30	.35
medium	.60	.65
large	1.20	1.50
Conkey's Sorehead Remedy	.25	.30
Conkey's White Diarrhoea, small	.25	.30
medium	.60	.70
large	1.20	1.50
Conkey's White Diarrhoea, 1,200 tablets	4.00	4.19

The following are not mailable:

Conkey's Noxide, pt.	.50
Conkey's Noxide, qt.	.75
Conkey's Noxide, 2 qts.	1.25
Conkey's Mite Killer, gal.	2.00
Conkey's Mite Killer, qt.	.90
Conkey's Mite Killer, ½ gal.	1.50
Conkey's Lice Liquid, qt.	\$1.50
Conkey's Fly Knockers, gal.	.50
Conkey's Fly Knockers, ½ gal.	.75
Conkey's Fly Knockers, 1 gal.	1.25
Conkey's Fly Knockers, 5 gal.	5.00



Yeast with Cod Liver Oil



**Great for
Baby
Chicks**

(75-D)

The Improved Form of Conkey's Y. O. Yeast With Cod Liver Oil

Is a concentrated dry powder. All ready for mixing with mash. 2% for grown fowls, 1% for chicks. Insures all the necessary vitamins to prevent breakdown of laying hens. Increases fertility of breeding stock. Improves number and quality of eggs. Makes better hatches and chicks that live. Also give it to baby chicks to prevent leg weakness. 1-lb. pkg., 65c; parcel post, 65c; 2-lb. pkg., \$1.00; parcel post, \$1.10. 5-lb. pkg., \$2.00; parcel post, \$2.15. 25-lb. bag, \$7.50, f. o. b. Memphis.

Don Sung

Makes Hens Lay.



We guarantee you more eggs or no pay. Don Sung is a mineral compound that scientifically helps nature.

Don Sung does not force or hurt the hen in any way. It is a balanced mineral conditioner. It improves the hen's health, tones up her egg laying organs and makes her stronger and more productive. It helps during early spring,

fall and winter, as the necessary mineral elements are lacking in the feed at that time.

Costs nothing to try. Give Don Sung to 15 hens 30 days—if it doesn't show you an increase in eggs—if it doesn't pay for itself and a good profit, your money will be promptly refunded.

Trial size, 45 tablets, 50c; large size, 135 tablets, \$1.00; special size, 700 tablets, \$5.00; parcel post paid.

Mass Control of Poultry Lice With Black Leaf 40

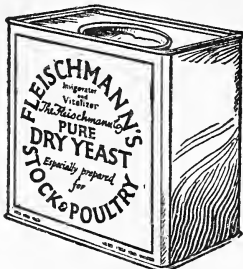
Paint it on the roosts. It works while the hens sleep. Experiments have shown Black Leaf 40 to be the most effective and the least expensive of any lice or mite killer yet discovered. ½-lb. can, \$1.25. Cannot be mailed.

E. Z. Y. Roup Chaser

These tablets are for Roup Colds and Bronchial affection in poultry and pigeons. Sold on an absolute guarantee.

As soon as cool weather sets in give E. Z. Y. Roup Chaser in the drinking water, two tablets to every gallon of drinking water as a preventive treatment. Per box, about 100 tablets, 75c, parcel post paid.

Fleischmann's Yeast



Especially prepared for poultry. Fleischmann's Pure Dry Yeast added to the feed for poultry gives baby chicks a good start, prevents in a large measure diarrhoea and dysentery, which destroy such a big percentage of baby chicks every year. It makes young birds grow quickly, giving them increased vitality, also keeps egg production high without forcing the birds. Fleischmann's Yeast helps to carry hens quickly and easily through the moulting period and maintain a high percentage of fertility and hatchability of eggs.

One tablespoonful daily for 50 chicks. Full directions given with every package. Fine for all live stock. Ask for booklets. 1-lb. can, \$1.00; by parcel post, \$1.10. 2½-lb. can., \$2.00; by parcel post, \$2.15.

Galli Cura

Prevents the development of white diarrhoea and will also cure them. For baby chicks and older birds. Two sizes, 25c and 50c boxes; by parcel post, 30c and 60c.

Germo Cholérine

A scientific compound for curing cholera, roup and other poultry ailments; used in drinking water. 6-oz. bottle, 35c; 16-oz. bottle, 65c; quart bottle, \$1.00; gallon bottle, \$2.50; not mailable.

Germo Poultry Remedies

Each Parcel Post	
Germo Cholérine Tablets,	
50 tablet size.....	\$0.25 \$0.35
Germo Cholérine Tablets,	
100 tablet size.....	.50 .60
White Diarrhoea Tablets, box	.25 .30
Roach Powder, ¼-lb. can...	.15 .20
Roach Powder, ½-lb. can...	.25 .30
Roach Powder, 1-lb. can...	.50 .60

The following not mailable.

Each	
Disinfectant Dip, qt.....	\$0.35
Disinfectant Dip, ½ gal.....	.60
Disinfectant Dip, 1 gal.....	1.00
Germo Carboline Disinfectant, 1 gal.	1.25
Magic Lice Liquid, qt.....	.35
Magic Lice Liquid, ½ gal.....	.60
Magic Lice Liquid, 1 gal.....	1.00
Fly Shoo, qt.....	.35
Fly Shoo, ½ gal.....	.60
Fly Shoo, 1 gal.....	1.00
Fly No More, qt.....	.75
Fly No More, ½ gal.....	1.25

Hennergizer

Poultry Tablets, to promote laying, health, vigor and strength.

A mineralized preparation that will increase egg production if directions are followed.

Per box, \$1.00, postpaid.

Health Paint

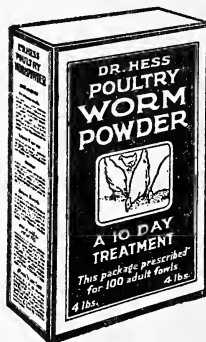
A white paint and a powerful disinfectant powder in a combined form. An effective aid in getting rid of lice and mites and other parasites. Makes a smooth flowing white paint by simply mixing with water; a pound makes enough to cover 100 square feet. It is recommended for poultry houses, pigeon lofts, dog kennels, basements, etc. You can spray it, brush or dust it.

Low in cost and an excellent disinfectant white paint.

10-lb. carton, \$1.00; by parcel post, \$1.35; 25-lb. bag, \$2.00; 50-lb. bag, \$3.50.



Dr. Hess Poultry Worm Powder



When your fowls appear lame or have a wobbly gait; when the combs and wattles are pale, that's a good indication that they are infested with worms.

Worms are prevalent in both chicks and adult fowls.

1½-lb. pkg., 50c; by parcel post, 60c; 4-lb. pkg., \$1.25; by parcel post, \$1.40.

Dr. Hess Poultry and Stock Remedies

Each Postpaid	
Dr. Hess Poultry Panacea,	
1½-lb. pkg.....	\$0.25 \$0.35
Dr. Hess Poultry Panacea,	
5-lb. pkg.....	.75 .90
Dr. Hess Poultry Panacea,	
12-lb. pkg.....	1.50 1.75
Dr. Hess Poultry Panacea,	
25-lb. pkg.....	3.00 3.40
Dr. Hess Roup Tablets, box	.50 .60
Dr. Hess Roup Tablets, large	
box.....	1.00 1.10
Dr. Hess White Diarrhoea	
Tablets, can.....	.50 .60
Dr. Hess White Diarrhoea	
Tablets, large can.....	1.00 1.10



This 25-lb. Pail, \$3.00.

Dr. Hess Stock Tonic, 3½-lb.	
pkg.....	.50 .60
Dr. Hess Stock Tonic, 25-lb.	
pail.....	3.00 3.40
Dr. Hess Instant Lice Powder,	
1-lb. box.....	.25 .30
Dr. Hess Instant Lice Powder,	
2½-lb. box.....	.50 .60
Dr. Hess Healing Powder...	.25 .30
Dr. Hess Dip and Disinfectant,	
12-oz. size.....	.35
Dr. Hess Dip and Disinfectant, qt. size,	
60c; f. o. b. Memphis.	

H. W. Poultry Remedy

"H. W." is what Poultry Breeders have long sought—a single product equally efficient as an aid in warding off or successfully treating most all diseases of Chickens, Pigeons, Turkeys, Ducks, Geese.

An aid for treatment of Roup, Canker, Chicken Pox, Cholera, White Diarrhoea, etc., Pigeon Pox, Goring Light, Blackhead in Turkeys.

As an aid in warding off diseases: Feed in the drinking water as directed. To treat diseases give each bird pure "H. W." as directed and also give in bird's drinking water.

Sold on a money-back guarantee if you are not satisfied.

Small size bottle, 50c; postpaid, 60c.

Large size bottle, \$1.00; postpaid, \$1.10.

Kurum

One of the best chick tonics; makes them grow faster and stronger. If you want to prevent and overcome Coccidiosis and White Diarrhoea, don't be without Kurum. It will stop all losses within three days. All you have to do is to put a few drops of Kurum in the drinking water and your chicks doctor themselves. ½-pt. bottle, 50c; pt. bottle, 75c; parcel post, 20c each extra.

Kil-O-Mite

Keeps Mites Out of Poultry Houses.

GUARANTEE

—We guarantee that one application of KIL-O-MITE either by brush or with a sprayer, to the interior walls, dropping boards and roosts, of such buildings which have been thoroughly cleaned, will exterminate mites and keep building free from Vermin for ONE YEAR, OR MONEY REFUNDED. 1 qt., 50c; ½ gal., 90c; 1 gal., \$1.50; f. o. b. Memphis.

**K. O. M. Worm Cure**

A sure cure for intestinal worms in poultry. Every bottle guaranteed to cure or your money will be refunded. Per bottle, enough to treat 1,000 hens, \$1.00; by parcel post, \$1.15.

Licene

For killing body lice on chickens.

If LICENE does not prove an effective remedy against chicken lice or does not clean scaly legs on your chickens, or if applied on sitting hens and does not prevent head lice on chickens—YOU ARE THE JUDGE—we will refund your money, if notified within 30 days after purchase of same. Per tube, enough for 100 hens, 60c; by parcel post, 70c.

We handle also a complete line of Licene Company's products mentioned below. All sold at a uniform price. Per tube, 50c; by parcel post, 60c.

Coldene—For colds in chickens.
Diarrhene—Cures white diarrhoea.
Pipene—Cures all forms of roup.
Poxene—Cures chicken sorehead.
Reumatene—For rheumatism in poultry.
Tonene—A real tonic for poultry.
Favene—For favus or depulping mites.
Actene—Helps impotent male birds.
Medicine Droppers, each, 5c.

Lee's Poultry Remedies

The GIZZARD CAPSULE

A Wonderful New Invention
for WORMS in POULTRY

Lee's Gizzard Capsules

A wonderful new discovery for worms in poultry. Eliminates both pin worms and tape worms. Will not harm the chickens in the least. The Gizzard Capsule starts in the gizzard; the medicine does not touch the mucus membrane of the mouth, throat, crop or glandular stomach.

Poultry size Gizzard Capsules, 50 capsules, box, \$1.00; 500 capsules, box, \$7.00. Chick size Gizzard Capsules, dozen, 25c; \$1.00 per 100 in quantities of 100 and up. All parcel post paid.

	Each	Postpaid
Lee's Egg-O-Hatch	\$0.35	\$0.45
Lee's Eggolatum, jar .....	.35	.45
Lee's Eggolatum, large jar ..	.75	.90
Lee's Germozone Tablets ..	.25	.30
Lee's Germozone Tablets, large, per box .....	.65	.70
Lee's Lice Powder, small box ..	.25	.35
Lee's Lice Powder, large box ..	.50	.65
Lee's Egg Maker, 2-lb. pkg. ..	.40	.50
Lee's Egg Maker, 5-lb. pkg. ..	.75	.90
Lee's Stock Worm Powder, 1-lb. pkg. ....	.25	.35
Lee's Germozone, liquid, 4 oz. ..	.40	.50

Following Not Mailable.

Lee's Germozone, liquid, 12 oz.	Each	\$0.75
Lee's Germozone, liquid, 32 oz.	Each	1.50

No Moppin

Cures and prevents chicken sorehead. Given simply in the drinking water, avoiding individual treatment. Aids egg production. Guaranteed to give results. Small size bottle, 50c; by parcel post, 60c; large size bottle, \$1.00; by parcel post, \$1.15.

Oculum for Poultry

Prevents and cures white diarrhoea in baby chicks; a scientific remedy and prevention of poultry diseases.

	Each	Postpaid
Trial size... ..	\$0.10	\$0.15
Small size... ..	.50	.60
Large size... ..	1.00	1.10

Licecil

Kills poultry lice by simply hanging up the bottle in the poultry house. Full directions sent with all orders. 1 bottle, 50c; sent by express only.

Black Leaf 40

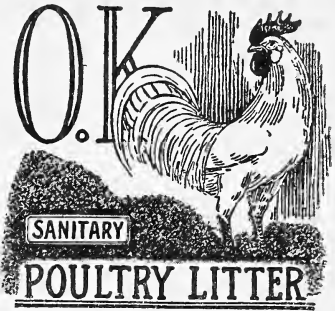
Kills poultry lice. Simply paint the roost perches; it works while they sleep. 1-oz. bottle, 35c; ½-lb. bottle, \$1.25; covers 90 to 120 running feet of roost. 2-lb. bottle, \$3.25; 10-lb. can, \$11.85; f. o. b. Memphis.

SPECIAL PRICES

Note the reduced prices on Automatic and Old Trusty Incubators and Brooders, and Simplex Hovers.

They are real bargains. You won't get another opportunity like this in a lifetime.

See pages 70 and 71 and order a machine today. Be sure to give second choice in case we have sold the outfit you order.

O. K. Poultry Litter

A perfect scratching material for baby chicks. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings. 10 lbs., \$1.00; by parcel post within 2nd zone, \$1.30. Per bale of about 140 lbs., \$4.50, f. o. b. Memphis.

Pratts

	Each	Postpaid
Pratt's Condition Tablets, small	\$0.25	\$0.30
Pratt's Chicken Pox Remedy, small .....	.25	.35
Pratt's Chicken Pox Remedy, large .....	.60	.70
Pratt's Gape Remedy, small ..	.25	.30
Pratt's Lice Ointment .....	.25	.30
Pratt's Poultry Regulator, small pkg. ....	.25	.35
Pratt's Poultry Regulator, medium pkg. ....	.50	.60
Pratt's Poultry Regulator, large pkg.	1.40	1.65
Pratt's Poultry Regulator, 12-lb. pail	1.65	2.00
Pratt's Poultry Regulator, 25-lb. pail	3.00	
Pratt's Roup Powder, small ..	.25	.30
Pratt's Roup Tablets, small ..	.25	.30
Pratt's White Diarrhoea Cure, small .....	.25	.30
Pratt's White Diarrhoea Cure, large .....	.50	.60
Pratt's Calf Tonic .....	.25	.35
Pratt's Heave Horse Remedy ..	.25	.35
Pratt's Animal Regulator, small .....	.25	.35
Pratt's Animal Regulator, medium .....	.50	.65

Following Not Mailable:

Pratt's Red Mite Special, qt. can.	Each	\$0.50
Pratt's Red Mite Special, gal. can.	Each	1.25

**Revenge Lice Powder**

An oily Powder that sticks well to the feathers and will kill all body lice on poultry. Small can, 50c; by parcel post, 60c. Large can, 75c; by parcel post, 85c.

Red Star Insecticide

Absolutely sure death to all bugs, insects, ants, roaches and mosquitoes. A clear liquid, this will not stain and is fully guaranteed. 1-qt. can, 75c; 1-gal. can, \$2.00; 5-gal. can, \$8.00. By express only.

Roup-Over

The Over-Night Roup Remedy.

This famous remedy is guaranteed to give complete, prompt and positive results. There is nothing on the market like Roup-Over for Roup, Colds and Canker. 50c; \$1.00 size (three times as much, by parcel post, 60c and \$1.10.

Skalooint

For Scaly-Leg.

Scaly-Leg is a contagious disease affecting the legs of most fowls. Skalooint is of proven value in treating Scaly-Leg. Guaranteed. 25c; by parcel post, 30c.

TALCIMIZED SODIUM FLUORIDE

To Kill Chicken Lice!

The U. S. Dept. of Agriculture says, "Nothing is as satisfactory as Sodium Fluoride. It kills both old and young lice, including the young which hatch from the eggs present on the fowl at time of treatment." Talcimized Sodium Fluoride is the remedy for poultrymen to use. Here it is, Ready to Use.

Specially made for poultry. It is less irritating, and is so light and fluffy that it penetrates the plumage. It is in a handy sifter-top can that keeps it protected. Carries the Government's directions for use by the "dusting," "dip" and "pinch" method.

Prices of T. S. F.

	Each	Postpaid
Small size (enough for 40 chickens)	\$0.35	\$0.40
Large size (twice as much) .....	.60	.70



A Disinfectant and Germicide

Sterilac is a thoroughly reliable disinfectant, deodorant and germicide, which destroys disease-producing germs and enables the poultry raiser to keep his flock in perfect physical condition.

It is in powder form, easy to handle, and does not lose its strength with age. It is easily dissolved in water, makes a powerful germ-killer, and when used according to directions is non-poisonous, safe, efficient and economical. One ounce will make 30 gallons of standard solution, and it is forty-five times stronger than carbolic acid and much safer.

2-oz. bottle, postpaid.....\$0.75
8-oz. bottle, postpaid..... 2.00
1-lb. bottle, postpaid..... 4.00

Sulphur Fumigating Candles



A safe and effective fumigator. Moisture is given off with the gas, producing sulphurous acid gas which is essential to thorough fumigation. Each, 10c; by parcel post, 15c.

CONKEY'S CHICK STARTER
Now contains Y. O. Yeast with
Cod Liver Oil



Trakol for Gapes in Chicks

When Gapes starts in your flock get the best of it promptly or it may kill all your chicks. Get Trakol and watch it quickly master the situation.

Gapes are caused by a little worm lodging in the windpipe of a chick. Symptoms are gaping, sneezing and coughing. The easy

way to avoid it is to put Trakol in the drinking water occasionally. 25c; by parcel post, 30c.

\$1,000.00 Guaranteed Remedies



We absolutely guarantee these preparations. If you don't get proper results after following directions, you can be the judge, your money will be refunded. We know that every \$1,000.00 remedy will do what is claimed for it.

\$1,000.00 Guaranteed Roach Killer—35c, 65c, \$1.25 cans; by parcel post, 10c each size extra.

\$1,000.00 Guaranteed Ant Bane—35c, 65c cans; by parcel post, 10c each size extra.

\$1,000.00 Guaranteed Flea Killer—35c, 65c sizes; by parcel post 10c each size extra.

\$1,000.00 Guaranteed Bed Bug Killer—35c, 65c sizes; by parcel post 10c each size extra.

\$1,000.00 Guaranteed Rat Killer—35c, 65c boxes; cannot mail.

Water Glass

For preserving eggs. Put your eggs down in the spring and summer and keep them fresh for ten months with water glass. One pint is sufficient for 6 dozen eggs 1-pt. size, 25c; qt., 40c; 1-gal. size, \$1.25. Not mailable.



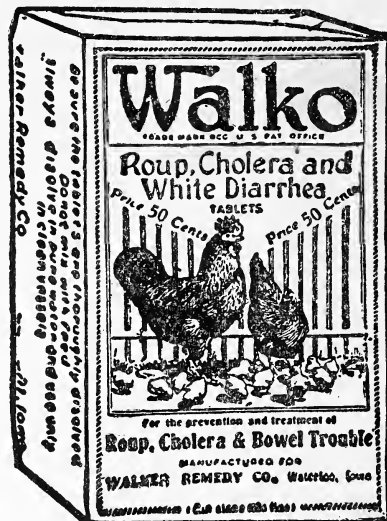
Wormoids

Capsules for Killing Intestinal Worms. An individual treatment for worms in poultry; guaranteed effective. Two sizes. 75c size, by parcel post, 85c. \$1.25 size, by parcel post, \$1.35.

Worm X

For expelling worms and other intestinal parasites from poultry. Easy and convenient to give, merely mix with the feed. Small pkg., enough to treat 250 hens, 35c; by parcel post, 45c. Large pkg., 60c; by parcel post, 75c.

Walko White Diarrhoea, Roup and Cholera Tablets

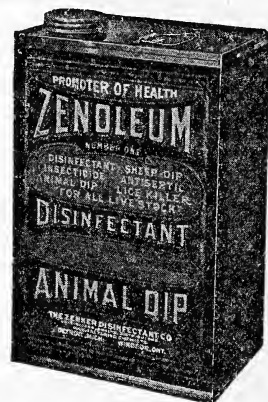


Walko is a reliable germicide, intestinal antiseptic and general correctant. It is especially destructive to the White Diarrhoea germ, yet perfectly safe to give little chicks in their drinking water as soon as they are out of the shell. It acts as a general tonic. Sold in 50c and \$1.00 size boxes; by parcel post, 55c and \$1.10.

Walko Egg Maker

Walko Egg Maker is a general poultry tonic. It keeps your birds in the pink of condition, which assures their greatest capacity for egg production. Packages, 50c or \$1.00; by parcel post, 70c or \$1.25.

Zenoleum



A scientifically compounded preparation. Used for live stock and poultry to prevent lice and mites as well as general use about the farm, barn and the house. Zenoleum Dip and Disinfectant.

8-oz. can.....\$0.35 2-qt. can..... 1.25
1-qt. can..... .75 1-gal. can.....\$2.00
5-gal. can..... 8.00

All prices on Zenoleum are f. o. b. Memphis. We cannot mail Zenoleum. Zenoleum Lice Powder, can, 20c; by parcel post, 30c.

Poultry Mustard

Here is a preparation that is safe and satisfactory. It is a tonic and stimulant for poultry that increases egg production. Also helps them over the moulting period and keeps them in good condition. This is not ordinary mustard but is prepared especially for poultry alone. 2-lb. carton, \$1.00; by parcel post, \$1.10.

Russell-Heckle's Stock Remedies, Feeds, Etc.



Bag Balm

Relieves and cures udder trouble, caked bags, cow pox, chapping, inflammation of all kinds in cows. Per box, 60c; by parcel post, 70c.

"B-K"—Bacili-Kil

B-K is a clear, colorless, non-poisonous germ killer used in dilution with water. B-K is absolutely harmless when used around poultry.

B-K does not overpower a bad odor by leaving a worse odor, but actually kills the bad odor, leaving a clean, sweet smell.

Every dairyman should keep a bottle of B-K. Cannot be mailed.

10-oz. bottle, 60c; qt. bottle, \$1.25; 1 gallon, \$3.00; 5-gallon bottle, \$11.50.



Blackman's Medicated Salt Brick

Brick shape, made of purest salt and medicine necessary for treatment of diseases for which it is intended. Per brick, 25c; 6 bricks, \$1.25. By parcel post, per brick 45c.

Garget Remedy

For that serious disorder peculiar to cows. Grange Garget Remedy is well known to dairymen. 1 1/4-lb. can, 65c; by parcel post, 75c.

Marvel Ant Gelatin

Attracts the ants and is sure death to them. Easy and simple to use. 40c per jar; not mailable.

Rat Destroyers Red Cross Rat and Mouse Embalmer

A sure rat and mouse destroyer that does the work thoroughly without any odor. 50c, \$1.00 and \$3.00 per can; by express only. Poison; cannot be mailed.

Mouse Seed

No mixing needed. The perfumed seed attracts and kills the mice that eat it. Box, 25c; not mailable.

R.-H. Co.'s Rat Paste

Sure death to rats. In tubes, each, 25c. Poison; not mailable.



Zelio Rat Poison

A powerful rat and mice destroyer. Zelio is without taste, therefore does not make the bait unpalatable. It acts slowly and the animal leaves the premises instead of dying in the hole. 2-oz. tube, 50c; 8-oz. can, \$1.50. Poison, not mailable.

Zelio Poisoned Wheat

Kills Rats and Mice. Can, 35c; not mailable.

Cod Liver Oil

Acts like the warm sunshine. A valuable aid in producing early chicks. Prevents leg weakness and indigestion. 1-gal. can, \$2.50; 5-gal. can, \$9.50.

Figaro Liquid Smoke

By applying two coats of Figaro Liquid Smoke directly to the meat with a brush after meat has gone through the salt, it will be thoroughly smoked. 20-oz. bottle, 75c; 40-oz. bottle, \$1.25. By express only.



Figaro Smoked Salt



This is a perfect and complete sugar curing and smoking agent. Combines the sugar with the salt and smoke. You can depend entirely on getting sure results with Figaro Sugar Curing Smoked Salt. 10-lb. box, 75c; by parcel post, \$1.10.

Kow-Kare

Watch every cow and at the first sign of disorder in appetite, digestion or flow of milk, give a dose of KOW-KARE. It cures abortion, barrenness and scours, caked udder, removes retained afterbirth.

A medicine for cows only. Small size, 65c; by parcel post, 75c; large size, \$1.25; by parcel post, \$1.40.



Buttermilk for Poultry and Hogs

Semi-Solid Buttermilk

Increases egg production. Keeps hens in the best of condition. Start your baby chicks on Semi-Solid Buttermilk as it will prevent coccidiosis and diarrhoea. One gallon of Semi-Solid Buttermilk will make nine gallons of liquid. 1-gal. can, \$3.40; 1/2 bbl., 250 lbs., \$13.75. By parcel post, 1-gal. can, \$1.35.



Semi-Solid Buttermilk With Cod Liver Oil

1-gal. can, \$1.25; by parcel post, \$1.50; 5-gal. drum, \$4.75, f. o. b. Memphis. Quantity prices on above feeds are given on Green Ink List in back of book.

Lucky Ready-Mixed Whitewash



These trees were whitewashed with Lucky Ready-Mixed Whitewash, the ideal product for disinfecting and beautifying Basements, Fences, Stables, Poultry Houses, Dairy Barns, Trees. A dry powder in a dust-proof package. Mix with water and apply. 5-lb. box, 50c; by parcel post, 70c.



A Penetrating, Soothing Ointment.

An effective aid in softening and relieving garget, caked udder, hard or sore teats and inflammation due to external causes. Helps prevent hard milkers when teats and quarters are massaged with U-H. 60c; by parcel post, 70c.

Salvet Medication



This is different from the Salvet formerly sent out. Buy your salt at home, save money by using Salvet Medication, a highly concentrated hog and stock medicine that needs mixing only with salt. 3-lb. pkg., \$1.00; by parcel post, \$1.20. 7 1/2-lb. pkg., \$2.10; by parcel post, \$2.30. 15-lb. pkg., \$3.60; by parcel post, \$4.00.

Salvet Hog Oil

5-gal. can, \$4.00; by express only.

Dried Buttermilk

Dried Buttermilk not only prevents white diarrhoea and other poultry troubles but also increases the digestibility of the balance of the ration. 1 lb., 20c; by parcel post, 30c; 5 lbs., 75c; by parcel post, 90c.

Dry Skim Milk

Promotes rapid development of chicks. An effective control of coccidiosis. One pound Dry Skim Milk makes one gallon of the mixture. 1 lb., 20c; 10 lbs., \$1.50; by parcel post, 30c and \$1.70.

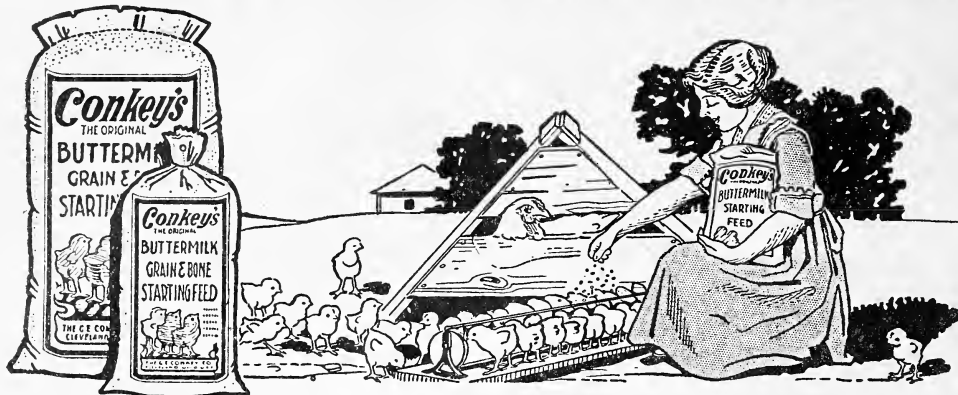


Calf Meal

These are milk substitutes containing all the elements necessary for rapid and healthy growth of calves. Thoroughly cooked and prepared for digestion. 25 lbs., \$1.50; 50 lbs., \$1.85; 100 lbs., \$1.25; 200 lbs., \$1.60.

By parcel post within second zone, \$1.85. Schumacher Calf Meal—25 lbs., \$1.25; by parcel post within second zone, \$1.60.

Conkey's Buttermilk Starting Feed With Y. O.



Conkey's, the Original Buttermilk Starting Feed, Raises Husky Chicks

This superior chick mash was the first commercial poultry feed containing buttermilk and Y. O.—that is why we call it the only ORIGINAL buttermilk starting feed.

Conkey's carries buttermilk with Y. O. in just the right proportion as an aid in prevention of bowel troubles, white diarrhoea, "leg weakness," etc. The buttermilk is Semi-Solid buttermilk, blended with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic, and other properties of the newly churned product.

Lactic acid in buttermilk is described as an "intestinal broom" which sweeps away unfriendly bacteria and disease germs in the delicate digestive tract. Buttermilk is also rich in one of the vitamins necessary to growing birds. It is a wonderful appetizer, aid to digestion and flesh builder.

Don't be influenced by "cheaper" imitations labeled "buttermilk"—that world may be used to deceive unwary buyers—to cover up a multitude of "sinful" grains, mill sweepings, poisonous weed seeds, musty screenings, worthless by-products, or other poor material having little or no nutritive value.

Ask for circulars and further information on Conkey's Buttermilk Starting Food.

Prices: 2½-lb. pkg., 25c; 5-lbs., 40c; 10 lbs., 70c. By parcel post within second zone, 2½-lbs., 35c; 5-lbs., 55c; 10-lbs., 85c.



Conkey's Buttermilk Growing Mash With Y. O.

Ingredients—Semi-solid buttermilk, wheat middlings, wheat bran, corn feed meal, ground barley, hulled oats, bone, meat scraps, bean meal and oil meal and Y. O.

This mash is fed after the chicks are eight weeks old. It is balanced for rapid development of muscles, bones, vital organs and feathers. 10 lbs., 60c; by parcel post within second zone, 80c. Ask for quantity prices on Conkey's Buttermilk Starting and Growing Mash.

Conkey's Fine Chick Feed

Extra fine quality and composed only of sound, wholesome grain carefully and scientifically balanced. No stale or damaged grain is ever used in preparing this feed. 10 lbs., 50c; by parcel post within third zone, 70c.

Conkey's Growing Grains

A mixture of small grains for growing chicks. Commence feeding when they are twelve weeks old. Conkey's Growing Grains are always of the best quality. 10 lbs., 50c; parcel post, 70c.

Special Prices

Refer to price list in back of book for prices on 25-lb., 50-lb. and 100-lb. bags of Conkey's Poultry Feed.

FUL-O-PEP GROWING MASH

All the Ful-O-Pep Mash (Chick Starter, Growing Mash and Egg Mash) now contain the vital element. Cod Liver Meal, which has much the same effect on poultry as spring sunshine—results in stronger, healthier, more profitable flocks.

Ful-O-Pep Chick Starter

To raise all your chicks feed Ful-O-Pep Chick Starter the first six weeks. This remarkable feed contains both Cod Liver Oil and Cod Liver Meal in addition to oatmeal, ground puffed wheat, bone meal and fish meal. It develops strong chicks, practically free from leg weakness and other troubles. 5-lb. pkg., 35c; by parcel post, 50c. 8-1-3-lb. pkg., 55c; by parcel post, within second zone, 75c.

Ful-O-Pep Growing Mash

This mash, containing Cod Liver Meal, is without doubt the finest growing mash ever placed at the disposal of the poultryman. Feed it from the sixth week until the fifty month. It is in part, oatmeal ground fine and nicely balanced with other bone and muscle forming ingredients. 8-1-3 lbs., 40c; by parcel post, within second zone, 60c.

For prices on 25-lb., 50-lb. and 100-lb. bags refer to price list in back of book.

Ful-O-Pep Fine Chick Feed

Is made from the best quality of milling grains carefully cracked to just the right size for baby chicks. Feed it with Ful-O-Pep Chick Starter. 8-1-3-lb. pkg., 40c; by parcel post within second zone, 60c.

Ful-O-Pep Coarse Chick Feed

A mixture of carefully selected grains a trifle larger than Fine Chick Grains to be fed to chicks after eight weeks old. It is made from the very best quality of grains. 8-1-3 lbs., 40c; by parcel post within second zone, 60c.

Ful-O-Pep Scratch Grain

Contains a large assortment of small and cracked grain, giving properly balanced ration to keep hens in condition. 8-1-3 lbs., 35c; by parcel post within second zone, 55c.

Ful-O-Pep Egg Mash

Adding the sunlight element Cod Liver Meal to this famous egg-producing feed, has simply made the best mash still better—resulting in much steadier egg production all year. 8-1-3 lbs., 40c; by parcel post within second zone, 60c.

Feed it dry from a good hopper.

Miscellaneous Poultry Feeds

Linseed Meal—Used in poultry mashes and stock feed. 4 lbs., 30c; by parcel post, 45c.

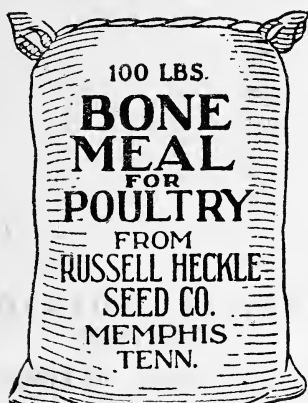
Powdered Tobacco—Will rid poultry of worms. Use 3 lbs. to 100 lbs. mash, follow with Epsom Salts. 3 lbs., 30c; by mail, 45c.

Rolled Oat Meal—A valuable feed for chicks. Feed it from the start. 4 lbs., 25c; by mail, 40c.

Steel Cut or Pinhead Oatmeal—Easily digested. Good for growing chicks. 4 lbs., 25c; by mail, 40c.

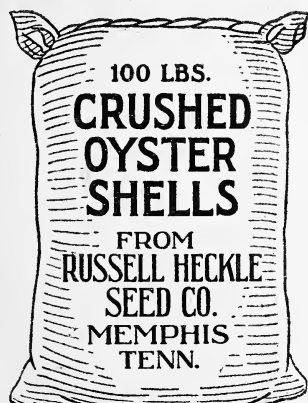
Russell-Heckle's Poultry, Pigeon and Chick Feeds

R.-H. Co.'s Poultry Bone Meal ♦



This is especially valuable for poultry as an egg maker and prevents leg weakness in young chicks. Mix it in their feed. We can furnish the coarse for hens and the fine grade for chicks, 3 lbs., 25c; by parcel post, 40c.

R.-H. Co.'s Crushed Oyster Shells



Indispensable for successful poultry keeping, as it aids digestion and the formation of egg shells. It is best to have it where the fowls can get at it at all times. Please state whether the "fine" size is wanted for chicks and pigeons, or the "regular" size for grown fowls. 10 lbs., 25c; by parcel post, 45c, within second zone.

Digester-Tankage or Meat Meal

A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. It is excellent for hog feeding and may be mixed and fed in a mash to great advantage. By freight, 4 lbs., 25c; by parcel post, 40c.

Chick Manna

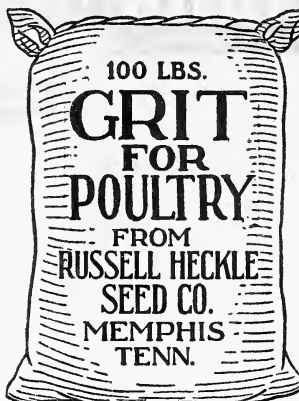


Will save your baby chicks; promotes and preserves health. A nourishing, strengthening food for baby chicks, turkeys, etc. 1 lb., 15c; by parcel post, 25c; 3 lb., 40c; by parcel post, 55c; 5 lbs., 60c; by parcel post, 75c; 15 lbs., \$1.50; by parcel post, \$1.85.

QUANTITY PRICES

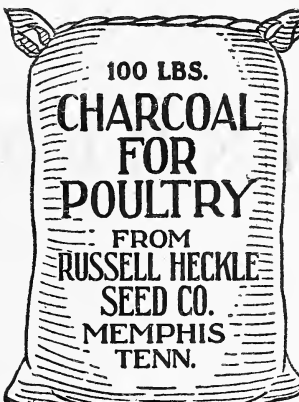
For quantity prices on all poultry feeds, see list in back of book.

R.-H. Co.'s Grit for Poultry ♦



A highly essential article for both large and small chicks. They need it as a grinder or so-called chicken's teeth. No. 1 size—For large chickens. No. 3 size—For baby chicks. State size wanted when ordering. 10 lbs., 25c; by parcel post within second zone, 45c.

R.-H. Co.'s Charcoal



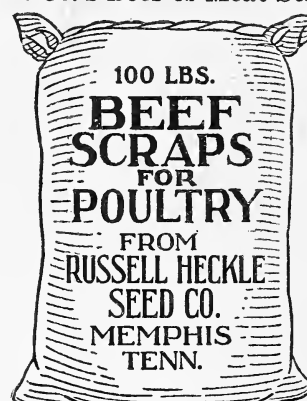
Charcoal aids digestion, promotes health, and is generally corrective of many of the poultry ills. A little charcoal goes a long way. Three sizes—Fine, for chicks; Medium, for half-grown fowls and pigeons; Coarse, for full-grown fowls. State size wanted. 2 lbs., 15c; 4 lbs., 25c; by parcel post, 2 lbs., 25c; 4 lbs., 40c.

Chamberlain's Perfect Chick Starting Grain



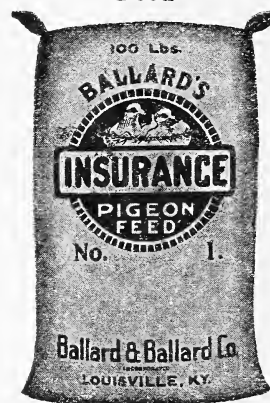
Strictly a grain chick feed for starting and developing baby chicks. Contains meat, bone, charcoal, grit, oatmeal, cracked milo and small grains. Does not contain any corn whatever, therefore avoids indigestion and bowel trouble. 10 lbs., 60c; by parcel post, 80c.

R.-H. Co.'s Beef or Meat Scraps ♦



A standard meat food for poultry of all ages. It is necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they get during the summer. By freight, 4 lbs., 25c; by parcel post, 40c.

Ballard's Insurance Pigeon Feed



No. 1—Prepared from Canada peas, flint corn, milo maize, kaffir corn, buckwheat, red wheat, hemp and millet. 4 lbs., 25c; 8 1-3 lbs., 50c; by parcel post within second zone, 4 lbs., 40c; 8 1-3 lbs., 70c. No. 2—Contains no corn, otherwise similar to above. Prices same as No. 1.

Globe Breeding Pigeon Food



Composed of a mixture of finest quality clean grains, cracked and whole seeds, Canada peas, wheat, hemp, etc., all well matured. Contains no corn or grit. 4 lbs., 25c; by parcel post, 40c.

Palmetto Health Grit for Pigeons

Contains all the essential minerals for keeping pigeons in good health. Palmetto Grit is manufactured by a large pigeon breeder, used on his own place. You will find it right. 6 lbs., 25c; by parcel post, in the third zone, 45c.



BIG DOLLAR COLLECTION

OF GARDEN AND FLOWER SEEDS

Regular Retail Value \$1.85

Sent Postpaid for Only \$1.00

One Packet Each of Following
Thirty Varieties

Bush Beans, Burpee's Stringless Green Pod
Pole Beans, Kentucky Wonder.
Beans, Carolina, Pole Butter
Corn, Golden Shingle
Peas, Early Alaska
Peas, Laxtonian
Beet, Crosby's Egyptian
Cabbage, Jersey Wakefield
Collard, Southern or Georgia
Carrot, Half Long Danvers
Cucumbers, Improved Long Green
Cantaloupe, Rocky Ford
Lettuce, New York Wonderful
Mustard, Southern Giant Curled
Okra, White Velvet
Pepper, Chinese Giant
Parsley, Double Curled
Radish, S. T. White Tip
Spinach, Curl Savoy
Squash, Early White Bush
Swiss Chard, Silver Beet
Tomato, Early Detroit
Turnip, Purple Top Globe
Watermelon, Tom Watson

Flower Seed

Larkspur, Tall Mixed
Petunia, Fine Single Mixed
Phlox, Drummond, Mixed
Nasturtiums, Dwarf Mixed
Sweet Peas, Spencer Mixed
Zinnia, R.-H. Giant Mixed

No Changes Allowed
Order This Bargain



Lōma, the scientifically-prepared plant food, will give you results that are startling. Lawns velvety green; flowering plants sturdy, full-bloomed and tall; vegetables such as you have never had before. Lōma is rich in nitrogen. Agricultural experts will tell you that this is the most vital plant food. Lōma works quickly. In a week's time you can see the difference in your lawn.

5-lb. carton, enough for	
10 ft. x 10 ft.....	\$.60
10-lb. bag, enough for	
10 ft. x 20 ft.....	1.00
25-lb. bag, enough for	
20 ft. x 25 ft.....	2.00
50-lb. bag, enough for	
25 ft. x 40 ft.....	3.50
100-lb. bag, enough for	
40 ft. x 50 ft.....	6.00

SPECIAL ROSE COLLECTION

12 FINE 2-YEAR STRONG
ROSE BUSHES

Only \$4.50

All labeled, true to name. No changes allowed. Regular value, \$7.20.

- 2 Lady Hillingdon, Yellow
- 2 K. A. Victoria, White
- 2 Gruss An Teplitz, Red
- 2 Red Radiance
- 2 Pink Killarney
- 2 Pink Radiance

Shipped express collect from nursery.
Satisfaction Guaranteed.

GIANT GLADIOLUS COLLECTION

Special Offer on the Following
Five Named Gladiolus

Chicago Red—Brilliant Scarlet
Evelyn Kirtland—Fine Rosy Pink
Gold Measure—Deepest Large Yellow
Panama—Deep Rich Pink
Mrs. Watt—Deep Rose Red

3 each of above, 15 bulbs in all...\$0.85
6 each of above, 30 bulbs in all... 1.50
12 each of above, 60 bulbs in all... 2.75

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R. H. Co.'s Top Notch SWEET PEAS

No other flower so brightens the garden as R. H. Co.'s Spencer Sweet Peas.

Austin Frederick, giant lavender, pkt.....	10c
Countess Spencer, clear pink, pkt.....	10c
Fiery Cross, bright crimson, pkt.....	10c
Heavenly Blue, clear blue, pkt.....	10c
King White, pure white, pkt.....	10c
Mary Pickford, bright pink, pkt.....	10c
Miss California, salmon pink, pkt.....	10c
Mrs. Tom Jones, deep blue, pkt.....	10c
Royal Purple, rich purple, pkt.....	10c
R. H. Co.'s Giant Mixed, pkt.....	10c

One packet each of the above ten varieties, postpaid, for only 75 cents.

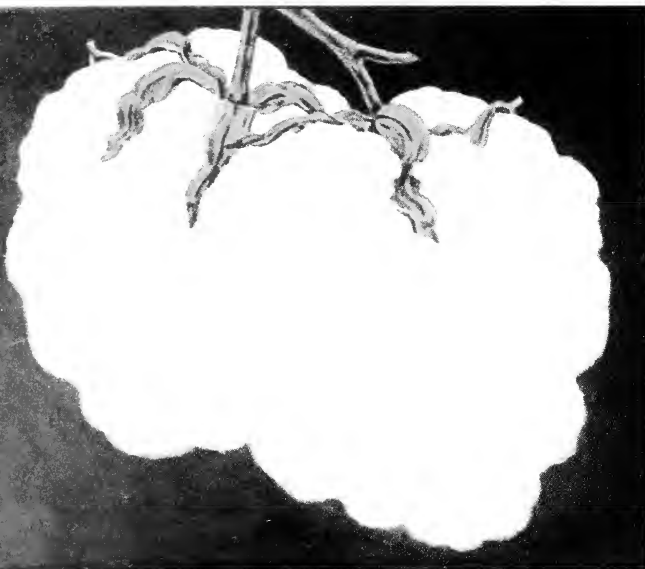
Mammoth Flower COLLECTION

1 oz. R. H. Co.'s Giant Mixed Spencer Sweet Peas.....	15c
1 pkt. R. H. Co.'s Giant Scarlet Zinnia.....	10c
1 pkt. R. H. Co.'s Giant Orange Zinnia.....	10c
1 pkt. R. H. Co.'s Giant Pink Zinnia.....	10c
1 pkt. R. H. Co.'s Giant Purple Zinnia.....	10c
1 pkt. R. H. Co.'s Giant Lavender Zinnia.....	10c
1 pkt. R. H. Co.'s Giant White Zinnia.....	10c
1 pkt. R. H. Co.'s Giant Mixed Zinnia.....	10c
1 doz. R. H. Co.'s Giant Mixed Gladiolus bulbs.....	50c
The above collection—Retail Value \$1.45 Sent Postpaid.....	\$1.00

It's not much of a home without Flowers — and they cost so little

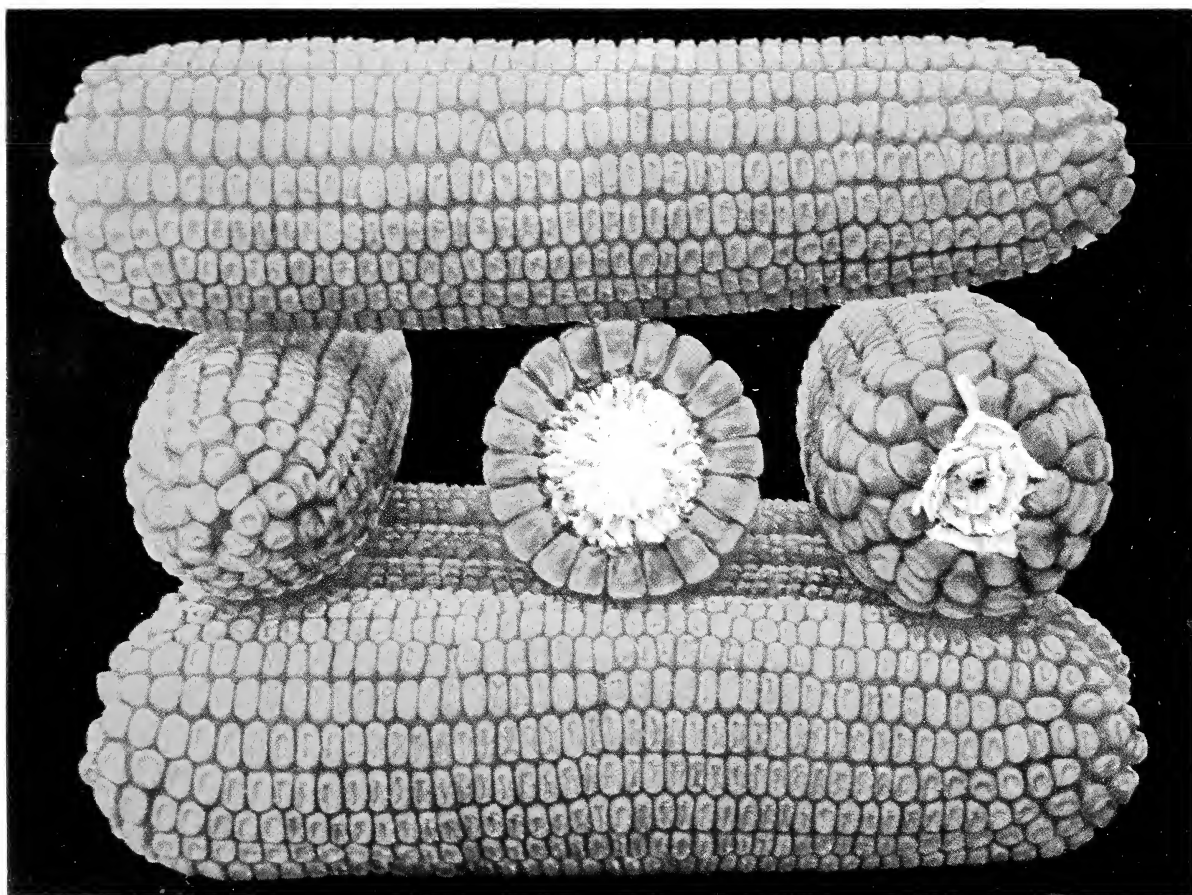
RUSSELL-HECKLE'S DELFOS 631

Our grower produced 1300 bales on a little over 1450 acres this year—a splendid record for a short crop year like this one.



RUSSELL-HECKLE'S BILOXI SOY BEANS

A very erect bush that does not fall over—luxuriant foliage, and loaded with beans. Fine in combination with Sagrain.



RUSSELL-HECKLE'S JARVIS GOLDEN PROLIFIC

The popularity of this corn borders on the sensational—two good ears to the stalk, very unusual in a yellow corn.

RUSSELL-HECKLE SEED CO.
SALES STORE AND OFFICE 26 SOUTH FRONT ST. **MEMPHIS, TENN.** WHOLESALE WAREHOUSE LINDEN STATION